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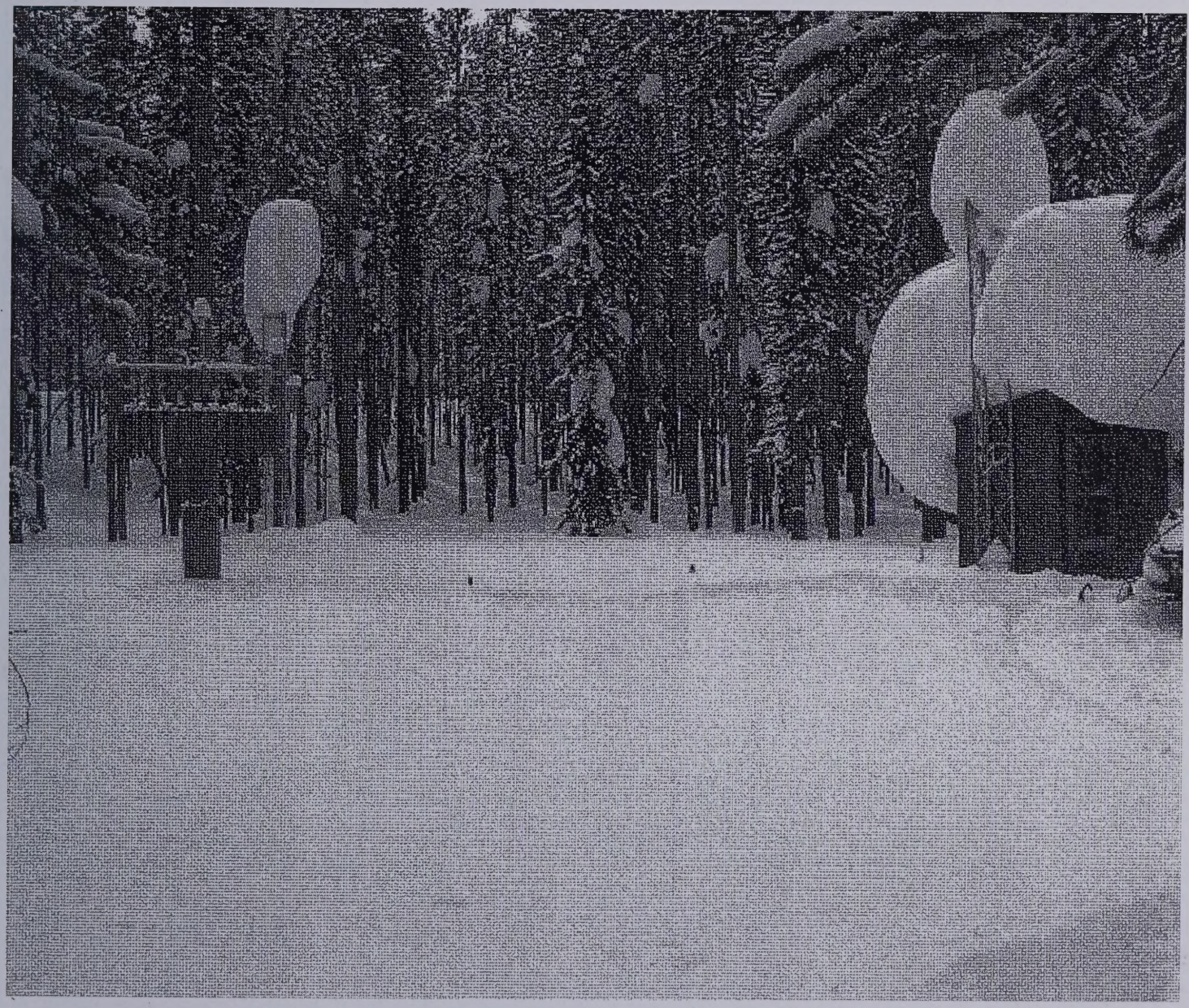
Natural Resources Conservation Service

Montana Water Supply Outlook Report March 1, 2011



Picture: Madison Plateau SNOTEL Site near West Yellowstone

Water Supply Outlook Report
and
Federal - State - Private
Cooperative Snow Surveys

For more water supply and resource management information, contact:

Water Supply Specialist
Federal Building
10 East Babcock, Room 443
Bozeman, MT 59715
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How forecasts are made

Most of the annual streamflow in the Western United States originates as snowfall that has accumulated high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are combined with snowpack data to prepare runoff forecasts. Streamflow forecasts are coordinated by Natural Resources Conservation Service and National Weather Service hydrologists. This report presents a comprehensive picture of water supply conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data, and narratives describing current conditions.

Snowpack data are obtained by using a combination of manual and automated SNOTEL measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation and temperature are monitored on a daily basis and transmitted via meteor burst telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

Forecast uncertainty originates from two sources: (1) uncertainty of future hydrologic and climatic conditions, and (2) error in the forecasting procedure. To express the uncertainty in the most probable forecast, four additional forecasts are provided. The actual streamflow can be expected to exceed the most probable forecast 50% of the time. Similarly, the actual streamflow volume can be expected to exceed the 90% forecast volume 90% of the time. The same is true for the 70%, 30%, and 10% forecasts. Generally, the 90% and 70% forecasts reflect drier than normal hydrologic and climatic conditions; the 30% and 10% forecasts reflect wetter than normal conditions. As the forecast season progresses, a greater portion of the future hydrologic and climatic uncertainty will become known and the additional forecasts will move closer to the most probable forecast.

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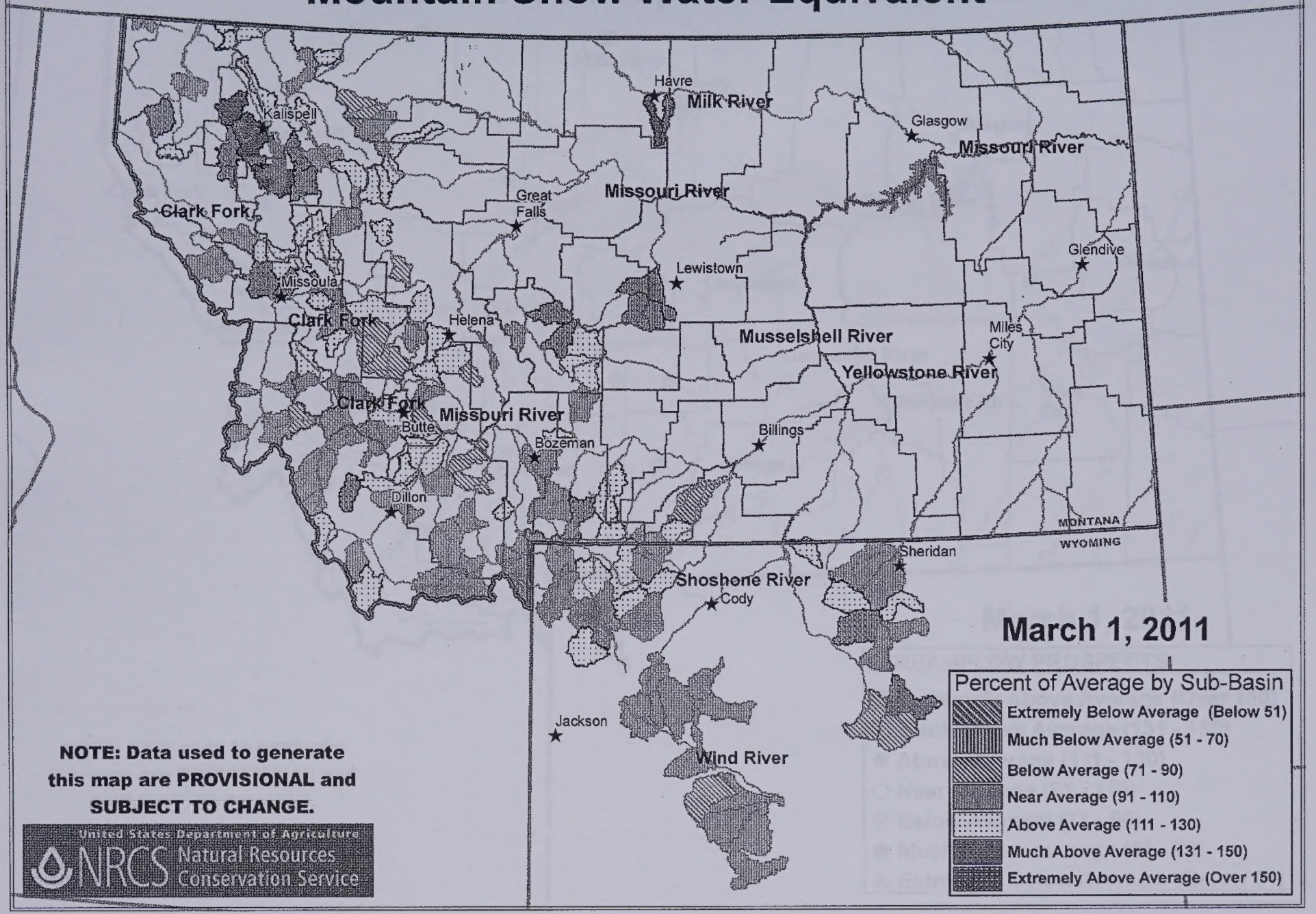
Mountain Snow Water Equivalent



NOTE: Data used to generate this map are PROVISIONAL and SUBJECT TO CHANGE.

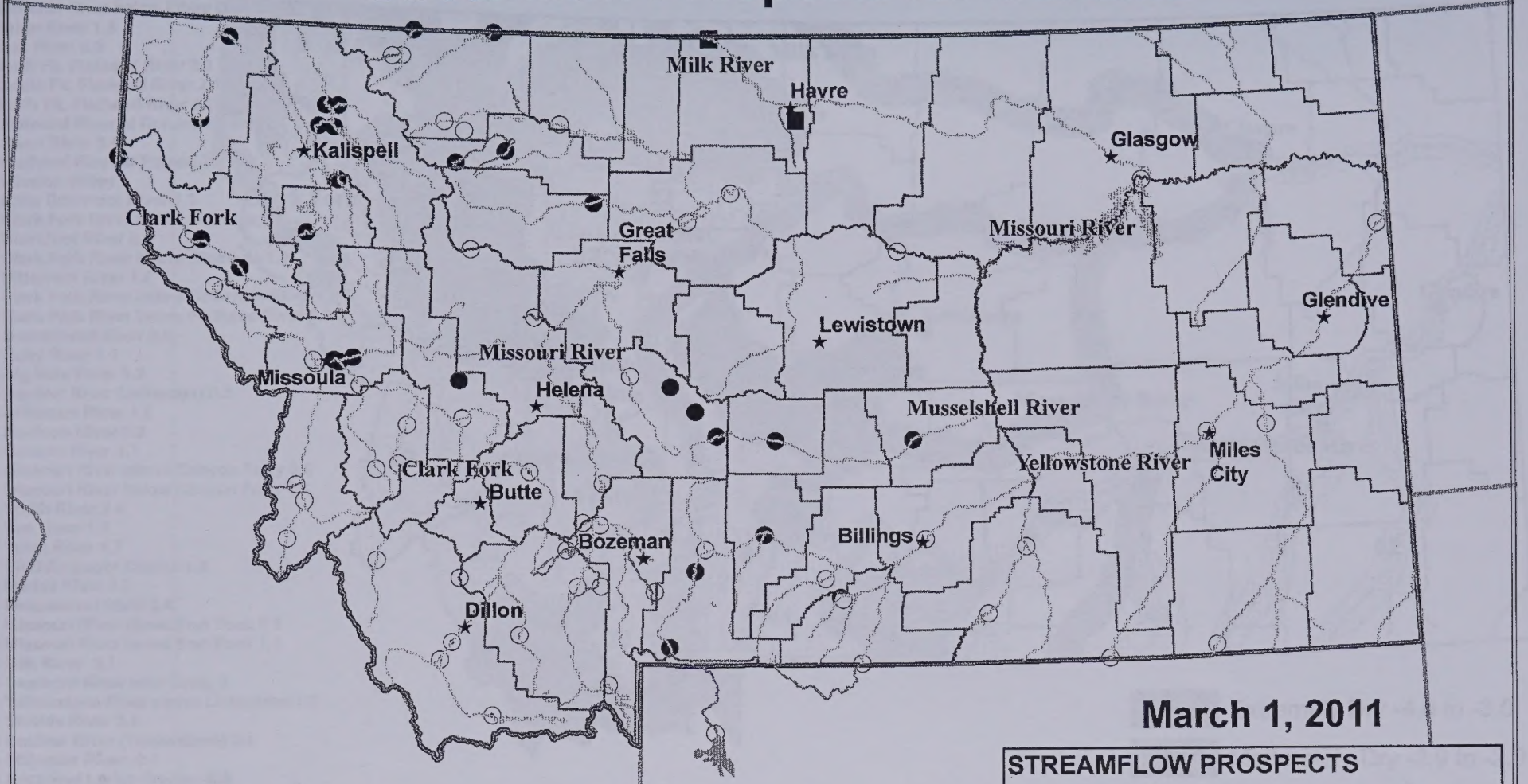
United States Department of Agriculture
NRCS Natural Resources Conservation Service

Water Supply Outlook Report

and

Federal - State - Private Cooperative Snow Surveys

Streamflow Prospects for Montana



March 1, 2011

STREAMFLOW PROSPECTS

- ■ Extremely Above Average (Over 150)
- □ Much Above Average (131 - 150)
- ● Above Average (111 - 130)
- ○ Near Average (91 - 110)
- ⊙ Below Average (71 - 90)
- ● Much Below Average (51 - 70)
- ▲ Extremely Below Average (Below 51)

NOTE: Data used to generate this map are PROVISIONAL and SUBJECT TO CHANGE.

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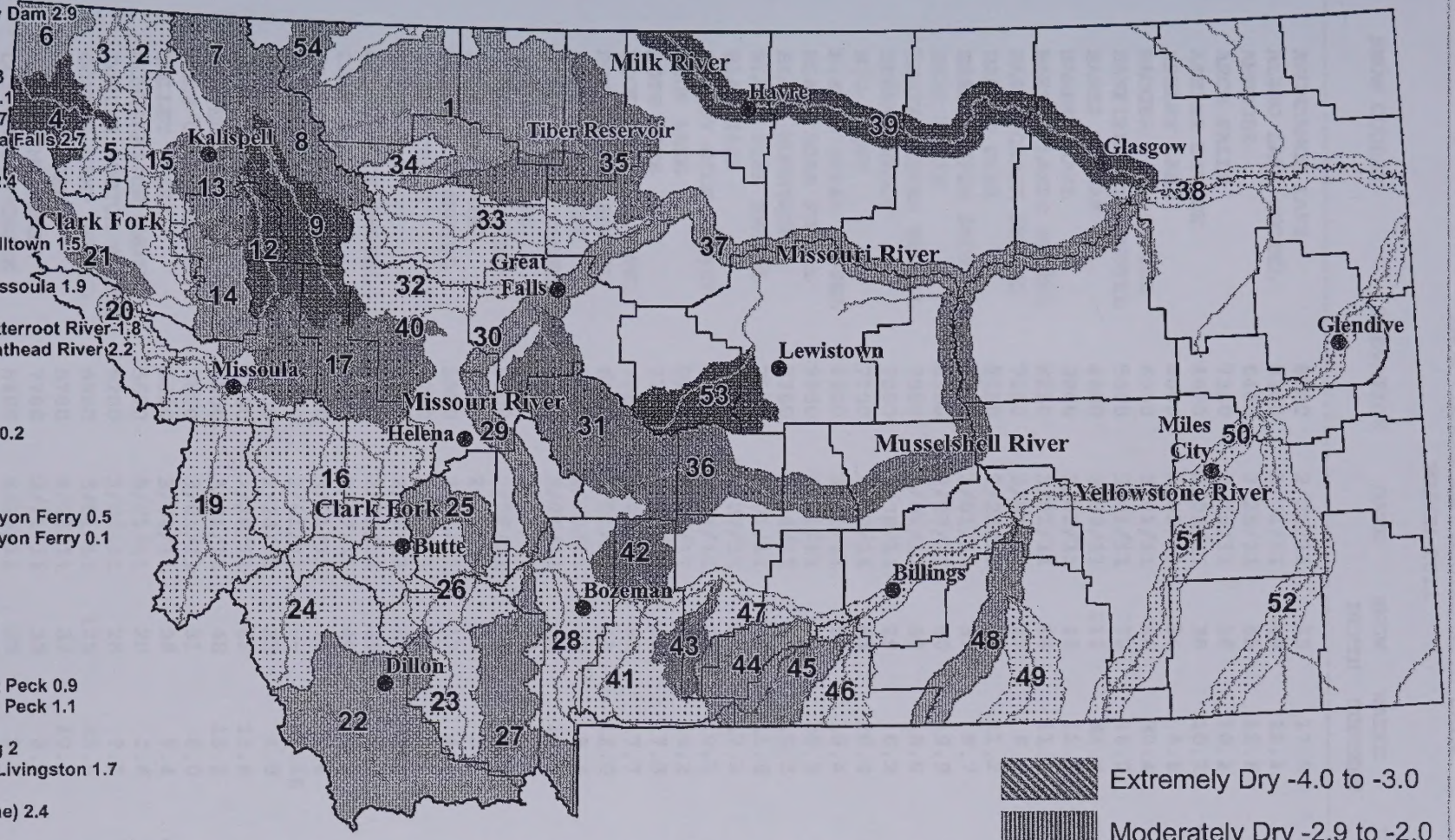
Surface Water Supply Index (SWSI) Values



March 1, 2011

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RIVER INDEX & SWSI VALUES

1 Marias River above Tiber Reservoir 0.6
2 Tobacco River 1.7
3 Kootenai Ft. Steele to Libby Dam 1.5
4 Kootenai River below Libby Dam 2.9
5 Fisher River 1.5
6 Yaak River 0.8
7 North Fk. Flathead River 2.3
8 Middle Fk. Flathead River 2.1
9 South Fk. Flathead River 3.7
10 Flathead River at Columbia Falls 2.7
12 Swan River 3.4
13 Flathead River at Polson 2.4
14 Mission Valley
15 Little Bitterroot River 1.3
16 Clark Fork River above Milltown 1.5
17 Blackfoot River 2.4
18 Clark Fork River above Missoula 1.9
19 Bitterroot River 1.4
20 Clark Fork River below Bitterroot River 1.8
21 Clark Fork River below Flathead River 2.2
22 Beaverhead River 0.8
23 Ruby River 1.1
24 Big Hole River 1.2
25 Boulder River (Jefferson) 0.2
26 Jefferson River 1.8
27 Madison River 0.3
28 Gallatin River 1.1
29 Missouri River above Canyon Ferry 0.5
30 Missouri River below Canyon Ferry 0.1
31 Smith River 2.6
32 Sun River 1.4
33 Teton River 1.7
34 Birch/Dupuyer Creeks 1.3
35 Marias River 2.7
36 Musselshell River 2.4
37 Missouri River above Fort Peck 0.9
38 Missouri River below Fort Peck 1.1
39 Milk River 3.1
40 Dearborn River near Craig 2
41 Yellowstone River above Livingston 1.7
42 Shields River 2.1
43 Boulder River (Yellowstone) 2.4
44 Stillwater River -0.1
45 Rock/Red Lodge Creeks -0.9
46 Clarks Fork River 1.5
47 Yellowstone River above Bighorn River 1.5
48 Bighorn River below Bighorn Lake 0.4
49 Little Bighorn River 1.2
50 Yellowstone River below Bighorn River 1
51 Tongue River 1
52 Powder River 1.1
53 Upper Judith River 3.5
54 St. Mary River 2.5

- Extremely Dry -4.0 to -3.0
- Moderately Dry -2.9 to -2.0
- Slightly Dry -1.9 to -1.0
- Near Average -0.9 to 0.9
- Slightly Wet 1.0 to 1.9
- Moderately Wet 2.0 to 2.9
- Extremely Wet 3.0 to 4.0
- SWSI Not Applicable

SNOW COURSE AND SNOTEL SITE DATA
MARCH 2011

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
ABUNDANCE LAKE	8800	2/26/11	53	17.9	11.6	16.7
ALBRO LAKE SNOTEL	8300	3/01/11	49	12.1	13.3	16.5
AMBROSE	6480	2/25/11	45	12.6	6.2	10.5
ARCH FALLS	7350	2/26/11	36	10.1	6.6	9.0
ASHLEY DIVIDE	4820	3/03/11	38	10.1	3.6	6.2
ASHLEY LAKE	4000	3/03/11	26	6.8	2.6	5.3
BADGER PASS SNOTEL	6900	3/01/11	96	30.4	21.0	29.7
BANFIELD MTN SNOTEL	5600	3/01/11	70	16.0	8.2	17.0
BAREE MIDWAY	4600	3/02/11	111	34.4	15.8	28.7
BAREE TRAIL	3800	3/02/11	49	12.3	3.4	8.2
BARKER LAKES SNOTEL	8250	3/01/11	44	11.2	12.1	11.1
BASIN CREEK SNOTEL	7180	3/01/11	27	6.4	5.2	6.1
BASSOO PEAK	5150	2/22/11	44	11.2	4.8	9.0
BEAGLE SPGS SNOTEL	8850	3/01/11	37	8.7	7.5	7.0
BEAR BASIN	8150	2/27/11	60	19.9	14.4	16.6
BEAVER CREEK SNOTEL	7850	3/01/11	60	18.0	10.1	14.5
BERRY MEADOW	7000	2/28/11	29	6.3	3.9	5.9
BIG SNOWY	7150	2/23/11	63	20.4	22.4	15.3
BISSON CREEK SNOTEL	4920	3/01/11	56	15.4	7.6	8.7
BLACK BEAR SNOTEL	7950	3/01/11	112	35.3	20.3	32.9
BLACK MOUNTAIN	7750	2/24/11	42	10.3	9.4	11.4
BLACK PINE SNOTEL	7100	3/01/11	43	11.8	6.2	10.1
BLACKTAIL	5650	2/27/11	58	17.2	8.3	12.3
BLOODY DICK SNOTEL	7550	3/01/11	38	10.1	5.7	10.6
BLUE LAKE	5900	2/26/11	67	19.2	11.0	21.1
BOTS SOTS	7750	2/27/11	30	7.8	2.5	6.2
BOULDER MTN SNOTEL	7950	3/01/11	61	17.7	14.2	16.6
BOX CANYON SNOTEL	6700	3/01/11	43	12.0	4.8	8.5
BOXELDER CREEK	5100	2/28/11	35	9.4	4.2	6.5
BRACKETT CR SNOTEL	7320	3/01/11	59	19.2	16.1	17.0
BRANHAM LAKES	8850	2/23/11	74	23.4	23.2	23.6
BRUSH CREEK TIMBER	5000	2/22/11	49	15.1	6.2	7.5
BULL MOUNTAIN	6600	2/28/11	28	5.4	2.6	5.1
BURNT MTN SNOTEL	5880	3/01/11	17	4.8	4.3	5.0
CABIN CREEK	5200	2/26/11	27	6.5	2.8	5.4
CALL ROAD	8050	2/27/11	34	9.5	6.2	9.2
CALVERT CR SNOTEL	6430	3/01/11	36	9.1	4.1	7.5
CAMP SENIA	7890	2/27/11	40	10.3	5.8	4.6
CARROT BASIN SNOTEL	9000	3/01/11	78	22.8	15.5	22.6
CARTER CREEK	7400	3/01/11	---	4.1E	3.5	4.2
CHESSMAN RESERVOIR	6200	2/24/11	23	4.8	3.3	3.1
CHICKEN CREEK	4060	2/28/11	63	15.8	9.8	14.4
CLOVER MDW SNOTEL	8800	3/01/11	48	13.2	10.6	14.2
COLE CREEK SNOTEL	7850	3/01/11	31	8.0	11.0	12.0
COLLEY CREEK	6300	3/04/11	38	9.4	5.2	7.0
COMBINATION SNOTEL	5600	3/01/11	20	4.4	3.6	4.5
COPPER BOTTOM SNOTEL	5200	3/01/11	28	7.1	4.6	9.9
COPPER CAMP SNOTEL	6950	3/01/11	125	45.5	23.8	--
COPPER CREEK	5700	2/25/11	37	10.0	4.2	12.5
COPPER MOUNTAIN	7700	2/26/11	33	8.0	6.7	8.9
COTTONWOOD CREEK	6400	2/24/11	25	5.2	3.8	6.0
COYOTE HILL	4200	2/28/11	37	11.3	5.9	9.1
CREVICE MOUNTAIN	8400	2/23/11	46	12.6	3.6	9.0
CRYSTAL LAKE SNOTEL	6050	3/01/11	54	15.7	15.3	9.6
DAD CREEK LAKE	8400	2/26/11	40	11.3	10.0	11.2
DAISY PEAK SNOTEL	7600	3/01/11	37	8.8	9.0	8.7
DALY CREEK SNOTEL	5780	3/01/11	38	9.9	5.7	9.4
DARKHORSE LK. SNOTEL	8700	3/01/11	81	26.8	19.2	26.6
DAVIS CREEK	5400	2/23/11	72	18.8	13.8	20.7
DEADMAN CR SNOTEL	6450	3/01/11	42	11.3	8.0	8.5
DESERT MOUNTAIN	5600	3/01/11	---	15.7E	7.9	12.6

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
DISCOVERY BASIN	7050	2/28/11	38	10.2	5.8	8.4
DIVIDE SNOTEL	7800	3/01/11	40	9.5	6.4	8.7
DIX HILL	6400	2/27/11	37	10.8	6.9	10.0
DUPUYER CREEK SNOTEL	5750	3/01/11	48	10.8	4.3	9.2
EAGLE CREEK	7000	3/01/11	46	9.3	9.8	--
EAST FORK R.S.	5400	2/23/11	21	5.0	3.2	5.6
EL DORADO MINE	7800	2/26/11	37	11.4	7.6	15.8
ELK HORN SPRINGS	7800	2/26/11	35	10.1	4.0	7.6
ELK PEAK	8000	3/01/11	48	14.2	9.4	12.6
EMERY CREEK SNOTEL	4350	3/01/11	57	16.7	9.0	13.3
FATTY CREEK	5500	2/26/11	84	24.9	16.8	20.4
FISH CREEK	8000	3/04/11	34	9.2	8.1	7.8
FISHER CREEK SNOTEL	9100	3/01/11	100	32.6	19.2	29.6
FIVE-BULL	5700	2/23/11	28	6.2	2.0	5.3
FLATTOP MTN SNOTEL	6300	3/01/11	139	42.5	28.4	39.2
FLEECER RIDGE	7500	2/28/11	36	9.4	4.0	9.2
FOOLHEN	8280	2/26/11	45	13.9	7.8	13.2
FOREST LAKE	6400	2/26/11	39	9.4	7.4	--
FOUR MILE	6900	2/22/11	27	6.2	5.0	6.8
FREIGHT CREEK	6000	2/22/11	45	11.4	6.6	12.6
FROHNER MDWS SNOTEL	6480	3/01/11	30	7.1	4.9	6.3
GARVER CREEK SNOTEL	4250	3/01/11	47	10.4	7.0	9.1
GOAT MOUNTAIN	7000	2/25/11	42	10.6	3.6	8.7
GRASSHOPPER	7000	3/01/11	29	7.7	3.4	4.7
GRAVE CRK SNOTEL	4300	3/01/11	62	16.8	10.4	14.5
GRIFFIN CR DIVIDE	5150	3/03/11	51	15.0	6.0	9.5
GUNSIGHT LAKE	6300	3/01/11	---	41.5E	23.8	--
HAND CREEK SNOTEL	5030	3/01/11	52	12.4	7.0	9.9
HAWKINS LAKE SNOTEL	6450	3/01/11	96	26.0	15.5	23.1
HAYMAKER	8050	2/28/11	39	10.2	11.6	--
HEBGEN DAM	6550	2/28/11	39	10.5	5.2	10.8
HELL ROARING DIVIDE	5770	2/23/11	90	28.5	19.6	25.8
HERRIG JUNCTION	4850	3/03/11	82	26.9	16.3	22.2
HOLBROOK	4530	2/28/11	33	8.9	5.2	8.3
HOODOO BASIN SNOTEL	6050	3/01/11	144	40.5	17.7	38.6
INDEPENDENCE	7850	2/23/11	55	17.2	9.2	15.0
INTERGAARD	6450	2/26/11	27	5.9	3.5	6.2
JAHNKE LAKE TRAIL	7200	2/26/11	31	8.2	2.9	9.0
JOHNSON PARK	6450	3/01/11	29	7.6	3.8	5.4
KISHENEHN	3890	2/28/11	40	8.8	3.3	7.3
KRAFT CREEK SNOTEL	4750	3/01/11	54	15.3	8.4	13.6
LAKE CREEK	6100	2/26/11	30	7.8	4.0	7.4
LAKEVIEW CANYON	6930	2/24/11	37	9.2	4.9	8.5
LAKEVIEW RDG. SNOTEL	7400	3/01/11	38	8.8	5.1	9.2
LEMHI RIDGE SNOTEL	8100	3/01/11	37	9.5	8.2	8.7
LICK CREEK SNOTEL	6860	3/01/11	37	8.7	6.2	9.5
LITTLE PARK	7400	2/28/11	53	16.4	10.0	13.0
LOGAN CREEK	4300	2/22/11	32	8.1	4.0	6.2
LONE MOUNTAIN SNOTEL	8880	3/01/11	62	19.0	11.4	15.0
LOWER TWIN SNOTEL	7900	3/01/11	47	13.4	12.0	15.1
LUBRECHT SNOTEL	4680	3/01/11	29	7.1	3.3	5.3
LUBRECHT FOREST NO 3	5450	3/01/11	32	7.3	2.8	5.6
LUBRECHT FOREST NO 4	4650	3/01/11	15	3.5	1.4	2.7
LUBRECHT FOREST NO 6	4040	3/01/11	22	6.2	1.5	3.2
LUBRECHT HYDROPLOT	4200	3/01/11	30	7.5	2.7	5.1
MADISON PLT SNOTEL	7750	3/01/11	76	22.3	12.3	20.9
MANY GLACIER SNOTEL	4900	3/01/11	63	18.1	8.4	14.4
MARIAS PASS	5250	2/27/11	57	16.1	7.8	14.9
MIDDLE MILL CREEK	7850	2/23/11	48	13.1	12.9	13.3
MILL CREEK	7500	3/04/11	53	14.5	11.0	10.2
MINERAL CREEK	4000	2/23/11	53	16.6	12.0	15.8
MONUMENT PK SNOTEL	8850	3/01/11	71	21.5	12.9	17.2
MOSS PEAK SNOTEL	6780	3/01/11	134	46.3	29.8	31.3
MOULTON RESERVOIR	6850	3/04/11	31	9.8	3.8	6.2

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
MT LOCKHART SNOTEL	6400	3/01/11	81	22.4	10.8	17.6
MUDD LAKE	7650	2/26/11	56	17.4	8.7	16.5
MULE CREEK SNOTEL	8300	3/01/11	54	14.7	9.7	13.1
N.E. ENTRANCE SNOTEL	7350	3/01/11	41	11.1	4.9	9.7
NEVADA RIDGE SNOTEL	7020	3/01/11	52	14.9	8.5	13.2
NEW WORLD	6900	2/27/11	41	11.7	11.4	11.1
NEZ PERCE CMP SNOTEL	5650	3/01/11	43	12.1	7.0	12.7
NEZ PERCE CREEK	6600	2/26/11	24	5.3	3.8	5.6
NEZ PERCE PASS	6570	2/22/11	50	15.4	7.2	15.7
N.F. ELK CR SNOTEL	6250	3/01/11	52	13.6	5.8	10.2
NF JOCKO SNOTEL	6330	3/01/11	132	45.5	26.8	38.5
NOISY BASIN SNOTEL	6040	3/01/11	146	53.0	29.5	33.8
NOTCH	8500	2/26/11	43	13.5	12.4	12.4
OPHIR PARK	7150	2/27/11	49	15.0	9.6	14.1
PETERSON MDW SNOTEL	7200	3/01/11	34	7.7	6.1	7.8
PICKET PIN LOWER	6200	2/23/11	19	4.3	1.3	--
PICKET PIN MIDDLE	7250	2/23/11	35	9.1	5.7	--
PICKET PIN UPPER	8100	2/23/11	50	15.3	13.6	--
PICKFOOT CRK SNOTEL	6650	3/01/11	43	11.4	7.1	9.9
PIKE CREEK SNOTEL	5930	3/01/11	58	14.9	8.7	22.8
PIPESTONE PASS	7200	2/26/11	19	4.0	3.3	4.1
PLACER BASIN SNOTEL	8830	3/01/11	59	17.1	11.6	14.2
POORMAN CR SNOTEL	5100	3/01/11	127	39.1	19.2	28.2
PORCUPINE SNOTEL	6500	3/01/11	26	6.4	4.8	5.8
POTOMAGETON PARK	7150	3/01/11	41	11.1	6.3	12.1
REVAIS CREEK	4800	2/22/11	14	3.3	.0	3.1
ROCK CREEK	5600	2/23/11	43	11.7	15.0	8.4
ROCK CREEK MEADOW	8160	2/28/11	59	17.8	13.0	16.6
ROCKER PEAK SNOTEL	8000	3/01/11	47	12.7	9.3	11.2
ROCKY BOY SNOTEL	4700	3/01/11	30	7.4	3.9	4.3
SACAJAWEA SNOTEL	6550	3/01/11	46	13.2	12.3	12.0
SADDLE MTN SNOTEL	7900	3/01/11	72	23.5	11.4	21.8
S.F. SHIELDS SNOTEL	8100	3/01/11	46	13.4	13.2	13.6
SHORT CREEK SNOTEL	7000	3/01/11	26	5.9	3.1	4.9
SHOWER FALLS SNOTEL	8100	3/01/11	64	18.8	15.3	17.4
SKALKAHO SNOTEL	7260	3/01/11	72	21.7	9.8	20.2
SLAG-A-MELT LAKE	8750	2/26/11	61	21.8	13.3	20.5
SLEEPING WOMAN SNTL	6150	3/01/11	69	19.1	7.6	14.0
SLIDE ROCK MOUNTAIN	7100	2/26/11	46	13.2	6.4	12.6
SMUGGLER MINE	6960	2/23/11	37	8.3	7.8	8.1
SPOTTED BEAR MTN.	7000	3/01/11	---	15.8E	9.2	12.7
SPUR PARK SNOTEL	8100	3/01/11	71	22.5	14.4	17.7
STAHL PEAK SNOTEL	6030	3/01/11	117	37.2	24.7	29.9
STEMPLE PASS	6600	2/28/11	39	10.0	5.1	8.3
STORM LAKE	7780	2/28/11	42	11.2	9.2	10.2
STRYKER BASIN	6180	3/03/11	100	33.6	21.8	26.9
STUART MOUNTAIN SNTL	7400	3/01/11	113	38.1	18.2	28.9
TAYLOR ROAD	4080	2/28/11	32	8.2	5.9	2.7
TEN MILE LOWER	6600	2/24/11	33	7.5	4.9	5.9
TEN MILE MIDDLE	6800	2/24/11	38	7.9	6.5	8.9
TEPEE CREEK SNOTEL	8000	3/01/11	45	12.0	7.8	10.7
TIMBERLINE CREEK	8850	2/27/11	42	12.0	7.6	11.0
TIZER BASIN SNOTEL	6840	3/01/11	34	7.0	7.1	7.9
TRAIL CREEK	7090	2/26/11	31	7.9	4.6	7.0
TRINKUS LAKE	6100	2/26/11	121	41.8	32.2	36.4
TRUMAN CREEK	4060	3/03/11	27	7.3	2.6	4.4
TV MOUNTAIN	6800	3/01/11	---	20.2E	8.9	15.0
TWELVEMILE SNOTEL	5600	3/01/11	53	14.6	8.4	16.0
TWENTY-ONE MILE	7150	2/28/11	55	14.8	6.8	14.3
TWIN CREEKS	3580	2/26/11	34	9.9	5.1	10.2
TWIN LAKES SNOTEL	6400	3/01/11	105	36.2	17.7	34.7
UPPER HOLLAND LAKE	6200	3/01/11	---	34.3E	17.3	30.0
WALDRON SNOTEL	5600	3/01/11	52	11.5	5.6	9.7
WARM SPRINGS SNOTEL	7800	3/01/11	67	19.7	13.8	17.0

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
WEASEL DIVIDE	5450	3/03/11	103	35.0	20.4	28.7
WEST YELL'ST SNOTEL	6700	3/01/11	46	12.0	5.3	11.2
WHISKEY CREEK SNOTEL	6800	3/01/11	57	16.0	7.8	14.4
WHITE MILL SNOTEL	8700	3/01/11	72	22.1	13.6	20.3
WHITE PINE RIDGE	8850	2/26/11	24	5.1	5.8	4.7
WILLOW CREEK	6500	2/22/11	25	5.6	3.8	6.3
WOOD CREEK SNOTEL	5960	3/01/11	46	10.3	4.2	8.2
WRONG CREEK	5700	2/27/11	44	11.6	5.5	11.0
WRONG RIDGE	6800	3/01/11	---	18.2E	8.8	15.4

Montana Water Supply Outlook Report as of March 1, 2011

March 1 mountain snowpack continues the trend from previous months and is above average and well above last year at this time. February mountain precipitation was near average. As a result, average to above average accumulated mountain precipitation was observed for the fourth month in a row. February mountain precipitation west of the Divide was 106 percent of average and east of the Divide was 105 percent of average.

Snowpack

On March 1, seasonal snowpack accumulation west of the divide should be about 82 percent and east of the divide should be about 75 percent. Seasonal snowpack peaks are typically reached the first to middle of April. State-wide mountain snowpack was 113 percent of average and 165 percent of last year at this time. West of the Divide, snowpack was 115 percent of average and 178 percent of last year and east of the Divide, snowpack was 110 percent of average and 153 percent of last year.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR	FEBRUARY % CHANGE
COLUMBIA	115	178	+2
KOOTENAI, MONTANA	117	176	+10
KOOTENAY, CANADA	100	134	+6
FLATHEAD, MONTANA	123	175	+2
FLATHEAD, CANADA	136	169	+26
UPPER CLARK FORK	111	172	-1
BITTERROOT	103	198	--
LOWER CLARK FORK	117	218	+1
MISSOURI	111	148	-2
MISSOURI HEADWATERS	106	148	-3
JEFFERSON	104	144	-3
MADISON	103	161	-6
GALLATIN	112	141	-1
MISSOURI MAINSTEM	124	147	+1
HEADWATERS MAINSTEM	110	140	+6
SMITH-JUDITH-MUSSELSHELL	126	123	+7
SUN-TETON-MARIAS	105	192	+12
MILK	217	153	-16
BEARPAW MOUNTAINS	185	179	-18
CYPRESS HILLS, CANADA	240	137	-17
ST. MARY	111	158	+3
ST. MARY & MILK	144	154	-11
YELLOWSTONE	108	158	-2
UPPER YELLOWSTONE	113	160	-2
LOWER YELLOWSTONE	103	160	-3
STATE-WIDE	113	165	--

Precipitation

February mountain and valley precipitation across the state was 110 percent of average and 229 percent of last year, while the water year precipitation was 113 percent of average and 145 percent of last year. West of the Continental Divide, February mountain and valley precipitation was 110 percent of average and 283 percent of last year and the water year precipitation was 114 percent of average and 162 percent of last year. East of the Divide, February mountain and valley precipitation was 110 percent of average and 193 percent of last year and the water year precipitation was 112 percent of average and 131 percent of last year.

RIVER BASIN	FEBRUARY % OF AVERAGE	WATER YEAR % OF AVERAGE
COLUMBIA	110	114
KOOTENAI	114	111
FLATHEAD	120	119
UPPER CLARK FORK	106	112
BITTERROOT	93	111
LOWER CLARK FORK	109	117
MISSOURI	107	113
JEFFERSON	78	108
MADISON	80	106
GALLATIN	98	110
MISSOURI MAINSTEM	138	122
SMITH-JUDITH-MUSSELSHELL	147	126
SUN-TETON-MARIAS	142	103
MILK	124	160
ST. MARY	117	107
YELLOWSTONE	101	108
UPPER YELLOWSTONE	97	111
LOWER YELLOWSTONE	112	108
STATE-WIDE	110	113

Reservoirs

Major reservoir storages state-wide were 111 percent of average and 109 percent of last year. Reservoir storage west of the Continental Divide was 133 percent of average and 93 percent of last year. East of the Continental Divide, reservoir storages were 105 percent of average and 115 percent of last year.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR
COLUMBIA	133	93
KOOTENAI	159	87
FLATHEAD	119	100
UPPER CLARK FORK	140	106
BITTERROOT	148	169
LOWER CLARK FORK	99	96
MISSOURI	104	117
JEFFERSON	115	104
MADISON	107	101
GALLATIN	147	100
MISSOURI MAINSTEM	104	117
SMITH-JUDITH-MUSSELSHELL	138	132
SUN-TETON-MARIAS	110	109
MILK	139	151
ST. MARY	176	187
YELLOWSTONE	107	95
UPPER YELLOWSTONE	112	109
LOWER YELLOWSTONE	107	95
STATE-WIDE	111	109

Streamflow

Streamflows across Montana are forecast to be 110 percent of average. West of the Divide, streamflows are forecast to be 115 percent of average and east of the Divide, streamflows are forecast to be 106 percent of average.

Below are averaged streamflow forecasts, by river basin, for the period April 1 through July 31. THESE FORECASTS ASSUME NEAR NORMAL SPRING CONDITIONS AND DO NOT ACCOUNT FOR WELL BELOW AVERAGE (70% or less) OR WELL ABOVE AVERAGE (130% or more) SNOWMELT OR SPRING RAIN. Specific forecast probabilities are available in each individual River Basin Report on the Montana NRCS web page.

RIVER BASIN	April-July THIS YEAR % OF AVERAGE	April-July LAST YEAR % OF AVERAGE
COLUMBIA	115	62
KOOTENAI	107	63
FLATHEAD	125	72
UPPER CLARK FORK	110	60
BITTERROOT	106	51
LOWER CLARK FORK	112	53
MISSOURI	110	64
JEFFERSON	96	52
MADISON	96	68
GALLATIN	105	75
MISSOURI MAINSTEM	102	58
SMITH-JUDITH-MUSSELSHELL	121	81
SUN-TETON-MARIAS	111	60
MILK	164	75
ST. MARY	112	78
YELLOWSTONE	99	60
UPPER YELLOWSTONE	102	68
LOWER YELLOWSTONE	96	50
STATE-WIDE	110	63

NOTE: The APRIL-JULY LAST YEAR % OF AVERAGE column above is what was forecast last year on March 1 and NOT what actually occurred.

Surface Water Supply Index

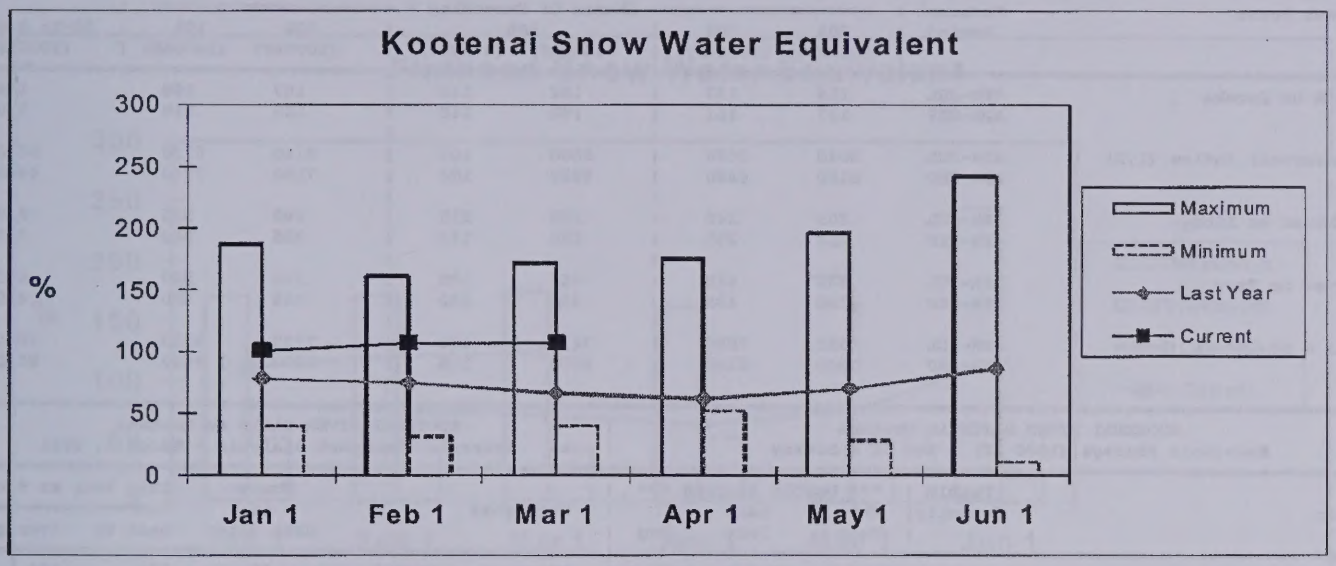
The Surface Water Supply Index (SWSI) is a measure of surface water availability for the spring and summer months. Water users that rely on mountain precipitation can use the index to evaluate seasonal surface water supplies. The SWSI accounts for mountain snowpack, mountain precipitation, streamflow, reservoir storage, and soil moisture.

SWSI RATING	SURFACE WATER CONDITION
+3.0 to +4.0	Extremely Wet
+2.0 to +3.0	Moderately Wet
+1.0 to +2.0	Slightly Wet
-1.0 to +1.0	Near Average
-1.0 to -2.0	Slightly Dry
-2.0 to -3.0	Moderately Dry
-3.0 to -4.0	Extremely Dry

This year SWSI	Last year SWSI	Basin
+1.7	-3.2	Tobacco River
+1.5	-2.9	Kootenai Ft. Steele to Libby Dam
+2.9	-0.1	Kootenai River below Libby Dam
+1.5	-2.8	Fisher River
+0.8	-3.4	Yaak River
+2.3	-3.2	North Fork Flathead River
+2.1	-3.2	Middle FORK Flathead River
+3.7	-0.4	South Fork Flathead River
+2.7	-2.4	Flathead River at Columbia Falls
+3.4	-1.2	Swan River
+2.4	-2.9	Flathead River at Polson
----	-3.5	Mission Valley
+1.3	-3.6	Little Bitterroot River
+1.5	-2.2	Clark Fork River above Milltown
+2.4	-2.9	Blackfoot River
+1.4	-3.4	Bitterroot River
+1.8	-3.0	Clark Fork River below Bitterroot River
+2.2	-2.9	Clark Fork River below Flathead River
+0.8	-0.8	Beaverhead River
+1.1	-1.7	Ruby River
+1.2	-1.3	Big Hole River
+0.2	-1.7	Boulder River (Jefferson)
+1.8	-0.7	Jefferson River
+0.3	-1.8	Madison River
+1.1	-1.4	Gallatin River
+0.5	-1.6	Missouri River above Canyon Ferry
+0.1	-1.5	Missouri River below Canyon Ferry
+2.6	-0.2	Smith River
+1.4	-3.6	Sun River
+1.7	-1.4	Teton River
+1.3	-2.4	Birch/Dupuyer Creeks
+3.5	+3.4	Upper Judith River
+0.6	----	Marias River above Tiber
+2.7	----	Marias River below Tiber
+2.4	+1.2	Musselshell River
+0.9	----	Missouri River above Ft. Peck
+1.1	-1.6	Missouri River below Ft. Peck
+2.5	-2.9	St. Mary River
+3.1	-0.5	Milk River
+2.0	-3.0	Dearborn River near Craig
+1.7	-3.2	Yellowstone River above Livingston
+2.1	-0.9	Shields River
+2.4	-2.9	Boulder River (Yellowstone)
-0.1	-3.1	Stillwater River
-0.9	-1.0	Rock/Red Lodge Creeks
+1.5	-3.0	Clarks Fork River
+1.5	-3.1	Yellowstone River above Bighorn River
+0.4	-1.7	Bighorn River below Bighorn Lake
+1.2	-2.7	Little Bighorn River
+1.0	-2.5	Yellowstone River below Bighorn River
+1.0	-2.1	Tongue River
+1.1	-1.9	Powder River

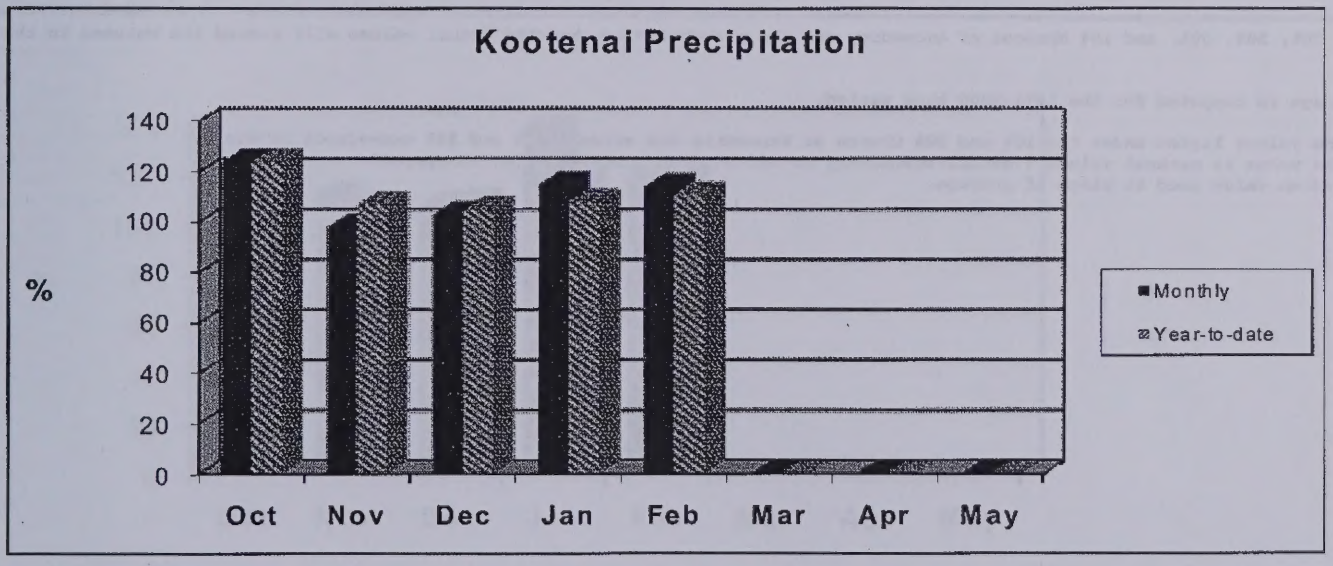
Kootenai River Basin in Montana

Snowpack conditions in the Kootenai River Basin were above average and increased 8 percent from February 1. Snow water content was 107 percent of average and 152 percent of last year. Snow water content in the Kootenay in Canada was 100 percent of average and 134 percent of last year and increased 6 percent from February 1.



January maximum swe was established in 1997 and minimum was in 1977; February maximum swe was in 1997 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1974 and minimum swe was in 1977and 2005; May maximum swe was in 1974 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during February was 114 percent of average and 311 percent of last year. Valley precipitation during February was 116 percent of average and 373 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2010, was 111 percent of average and 150 percent of last year.



Lake Koocanusa storage was 159 percent of average and 87 percent of last year.

Assuming average precipitation March through July, April through July streamflows are forecast to average 107 percent.

Surface Water Supply Index (SWSI) was +1.7 in the Tobacco River; +1.5 in the Kootenai Ft. Steele to Libby Dam; +2.9 in the Kootenai River below Libby Dam; +1.5 in the Fisher River; and +0.8 in the Yaak River.

KOOTENAI RIVER BASIN in Montana
Streamflow Forecasts - March 1, 2011

Forecast Point	Forecast Period	<<= Drier = Future Conditions = Wetter =>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Tobacco R nr Eureka	APR-JUL	116	137	152	112	167	188	136
	APR-SEP	127	151	168	112	185	210	150
Libby Reservoir Inflow (1,2)	APR-JUL	5040	5620	5880	104	6140	6720	5640
	APR-SEP	6100	6660	6920	104	7180	7740	6640
Fisher River nr Libby	APR-JUL	205	240	265	115	290	325	230
	APR-SEP	220	255	280	114	305	340	245
Yaak River nr Troy	APR-JUL	340	415	465	100	515	590	465
	APR-SEP	360	435	490	100	545	620	490
Kootenai R at Leonia (1,2)	APR-JUL	6350	7090	7430	106	7770	8510	7040
	APR-SEP	7500	8240	8570	106	8900	9640	8120

KOOTENAI RIVER BASIN in Montana
Reservoir Storage (1000 AF) - End of February

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LAKE KOOCANUSA	5748.0	3096.0	3569.0	1950.0

KOOTENAI RIVER BASIN in Montana
Watershed Snowpack Analysis - March 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
KOOTENAY in CANADA	20	134	100
KOOTENAI MAINTSTEM	3	175	108
TOBACCO	3	160	122
FISHER	4	229	137
YAAK	3	152	104
KOOTENAI in MONTANA	13	176	117
KOOTENAI ab BONNERS FERRY	33	152	107

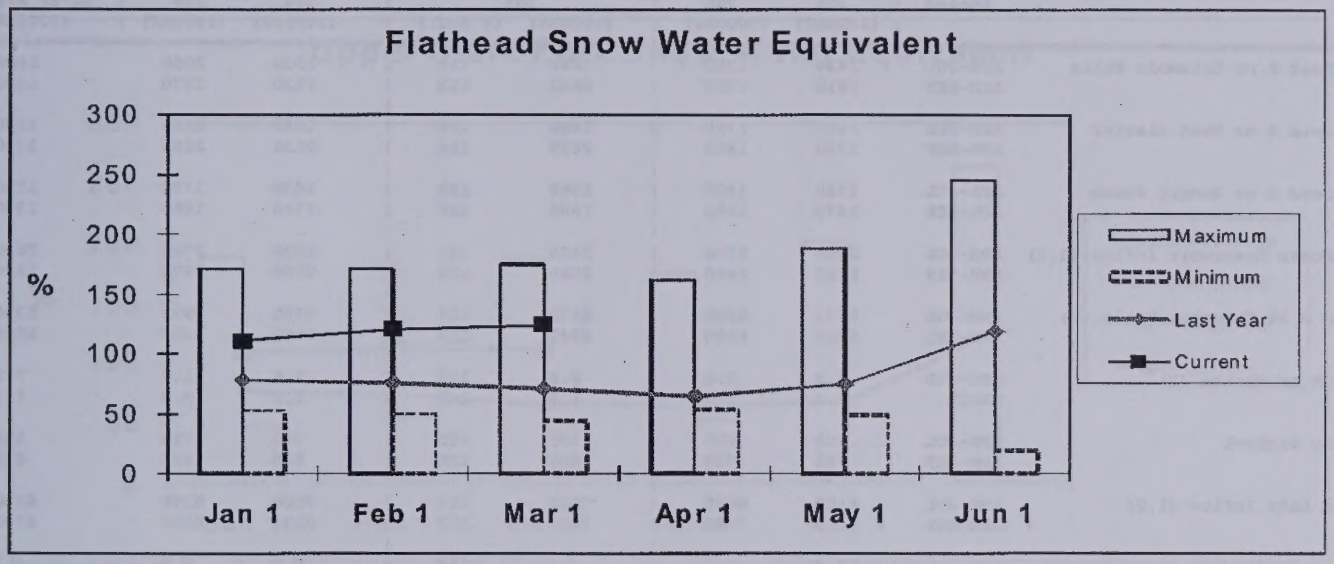
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

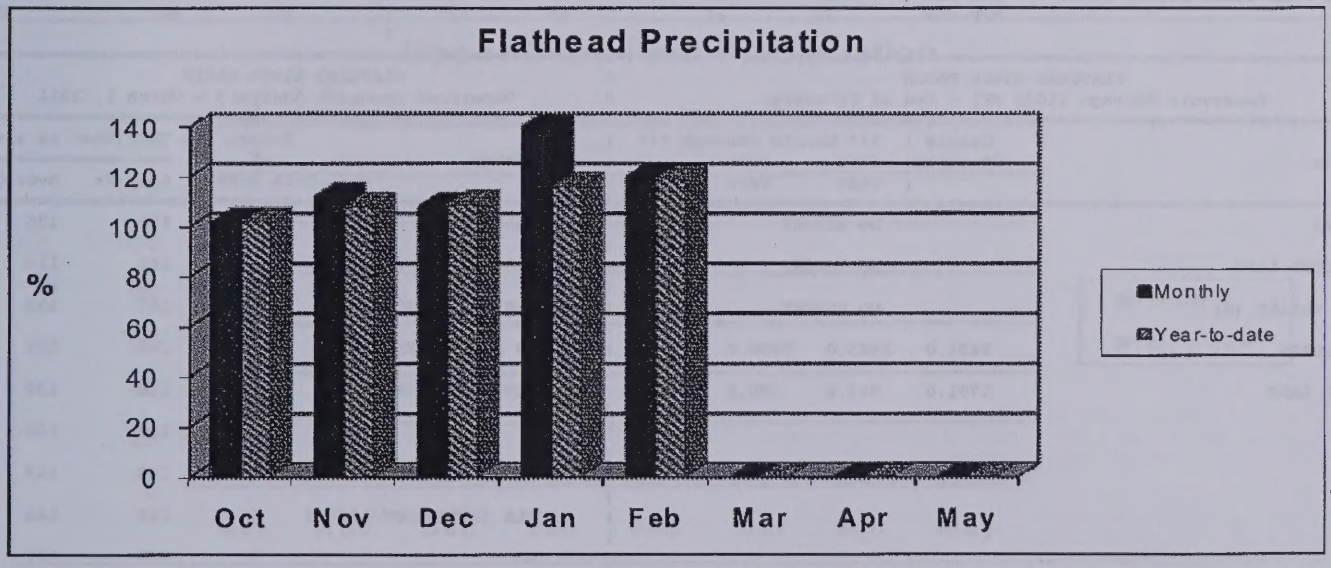
Flathead River Basin

Snowpack conditions in the Flathead River Basin were above average and increased 4 percent from February 1. Snow water content was 124 percent of average and 174 percent of last year. Snow water content in the North Fork Flathead River in Canada was 136 percent of average and 169 percent of last year and increased 26 percent from February 1.



January maximum swe was established in 1997 and minimum was in 2001; February maximum swe was in 1997 and minimum was in 2001; March maximum swe was in 1972 and minimum was in 2005; April maximum swe was in 1972 and minimum was in 2005; May maximum swe was in 1972 and minimum was in 1992; and June maximum swe was in 1974 and minimum was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during February was 121 percent of average and 261 percent of last year. Valley precipitation during February was 65 percent of average and 112 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2010, was 119 percent of average and 151 percent of last year.



Combined Camas reservoir storage was not available; Lower Jocko Lake was not available; combined Mission Valley reservoir storage was not available; Hungry Horse storage was 124 percent of average and 98 percent of last year; and Flathead Lake storage was 106 percent of average and 108 percent of last year.

Assuming average precipitation March through July, April through July streamflows are forecast to average 125 percent.

Surface Water Supply Index (SWSI) was +2.3 in the North Fork Flathead River; +2.1 in the Middle Fork Flathead River; +3.7 in the South Fork Flathead River; +2.7 in the Flathead River at Columbia Falls; +3.4 in the Swan River; +2.4 in the Flathead River at Polson; not available in the Mission Valley; and +1.3 in the Little Bitterroot River.

FLATHEAD RIVER BASIN
Streamflow Forecasts - March 1, 2011

Forecast Point	Forecast Period	<<= Drier = Future Conditions = Wetter =>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
NF Flathead R nr Columbia Falls	APR-JUL	1630	1750	1840	114	1930	2050	1620
	APR-SEP	1810	1950	2040	113	2130	2270	1800
MF Flathead R nr West Glacier	APR-JUL	1600	1750	1850	116	1950	2100	1590
	APR-SEP	1760	1910	2020	116	2130	2280	1740
SF Flathead R nr Hungry Horse	APR-JUL	1380	1490	1560	125	1630	1740	1250
	APR-SEP	1470	1580	1660	125	1740	1850	1330
Hungry Horse Reservoir Inflow (1,2)	APR-JUL	2060	2310	2420	121	2530	2780	2000
	APR-SEP	2190	2460	2580	122	2700	2970	2120
Flathead R at Columbia Falls (2)	APR-JUL	5570	5990	6270	117	6550	6970	5350
	APR-SEP	6080	6530	6840	118	7150	7600	5820
Ashley Ck nr Marion (2)	APR-JUL	6.2	7.6	8.6	119	9.6	11.0	7.2
	MARCH	0.7	1.2	1.5	142	1.8	2.3	1.1
Swan R nr Bigfork	APR-JUL	620	670	705	125	740	790	565
	APR-SEP	705	765	805	125	845	905	645
Flathead Lake Inflow (1,2)	APR-JUL	6100	6880	7230	117	7580	8360	6180
	APR-SEP	6600	7450	7840	117	8230	9080	6700
Mill Ck ab Bassoo Ck nr Niarada	APR-JUL	4.9	5.8	6.4	156	7.0	7.9	4.1
	APR-SEP	5.3	6.3	6.9	157	7.5	8.5	4.4
South Crow Ck nr Ronan	APR-JUL	9.7	11.3	12.3	122	13.3	14.9	10.1
	APR-SEP	11.1	12.8	14.0	122	15.2	16.9	11.5
Mission Ck nr St. Ignatius	APR-JUL	25	27	29	116	31	33	25
	APR-SEP	30	33	35	117	37	40	30
Sf Jocko R nr Arlee	APR-JUL	37	42	45	150	48	53	30
	APR-SEP	42	47	51	150	55	60	34
NF Jocko R bl Tabor Feeder Canal	APR-JUL	35	38	40	129	42	45	31
	APR-SEP	38	41	43	130	45	48	33

FLATHEAD RIVER BASIN
Reservoir Storage (1000 AF) - End of February

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
CAMAS (4)		NO REPORT		
LOWER JOCKO LAKE		NO REPORT		
MISSION VALLEY (8)		NO REPORT		
HUNGRY HORSE	3451.0	2543.0	2608.0	2047.6
FLATHEAD LAKE	1791.0	849.8	789.8	802.7

FLATHEAD RIVER BASIN
Watershed Snowpack Analysis - March 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
NF FLATHEAD in CANADA	4	169	136
NF FLATHEAD in MONTANA	9	161	116
MIDDLE FORK FLATHEAD	6	167	103
SOUTH FORK FLATHEAD	7	169	125
STILLWATER-WHITEFISH	10	178	129
SWAN	7	162	128
MISSION VALLEY	4	166	143
LITTLE BITTERROOT-ASHLEY	6	242	145
JOCKO	5	205	127
FLATHEAD in MONTANA	40	175	123
FLATHEAD RIVER BASIN	44	174	124

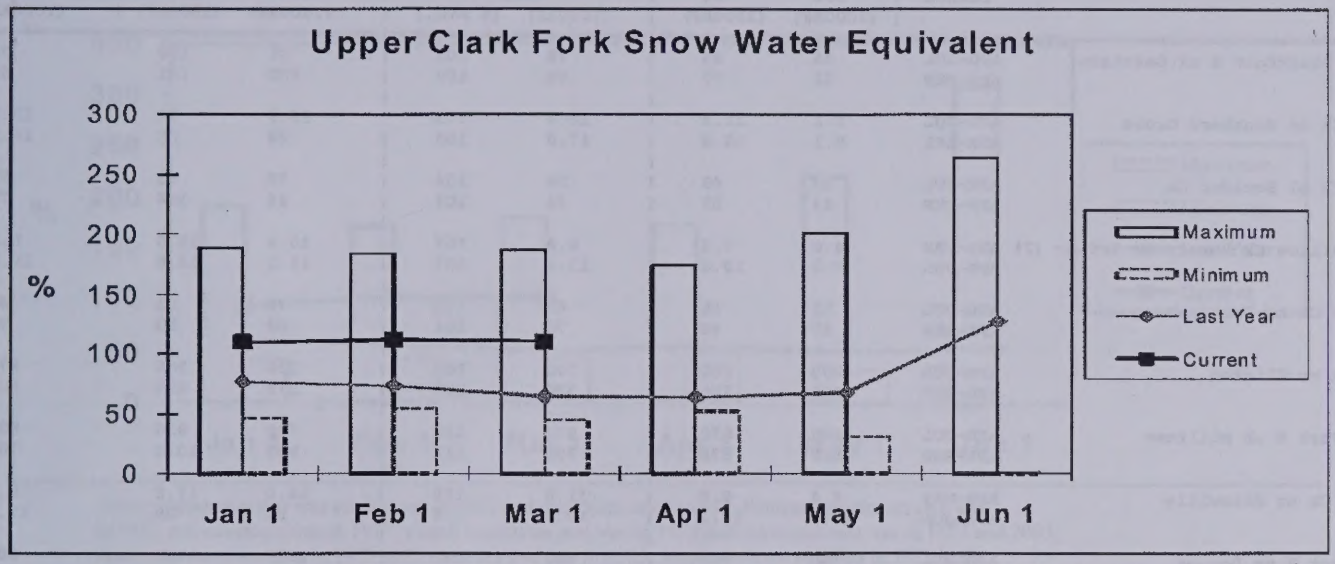
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

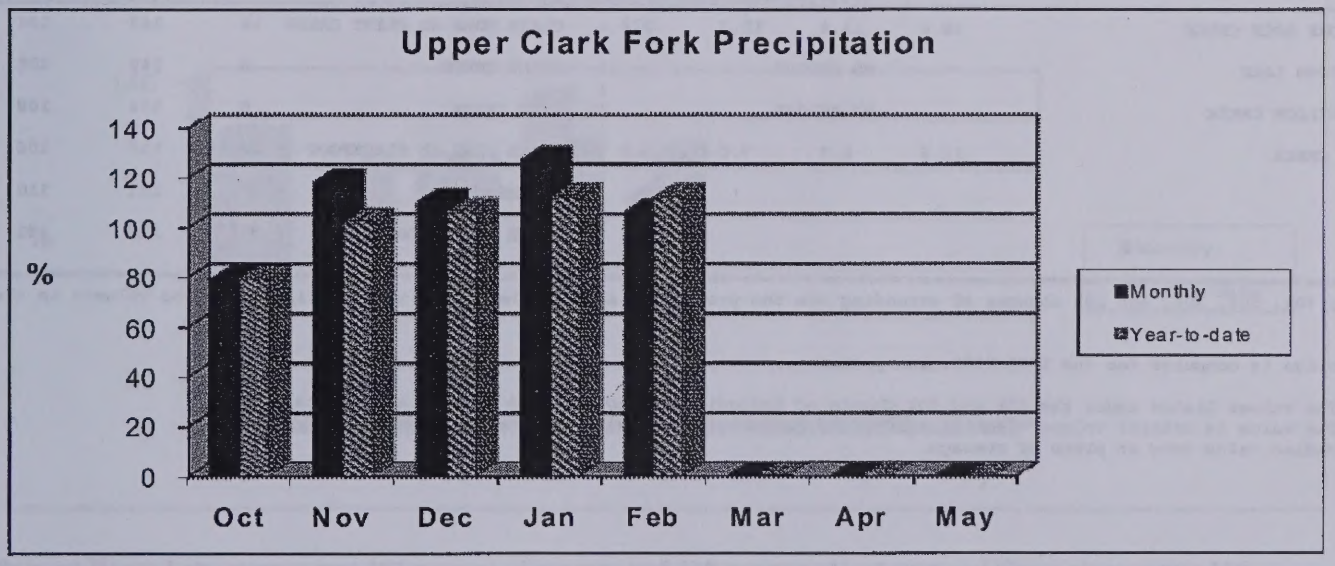
Upper Clark Fork River Basin

Snowpack conditions in the Upper Clark Fork River Basin were above average and decreased 1 percent from February 1. Snow water content was 111 percent of average and 172 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 2005; April maximum swe was in 1972 and minimum was in 2005; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1975 and minimum swe was in 1987. Average is for the period 1971 through 2000.

Mountain precipitation during February was 100 percent of average and 259 percent of last year. Valley precipitation during February was 175 percent of average and 469 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2010, was 112 percent of average and 159 percent of last year.



East Fork Rock Creek was 126 percent of average and 96 percent of last year; Georgetown Lake was not available; Lower Willow Creek storage was not available; and Nevada Creek storage was 167 percent of average and 124 percent of last year.

Assuming average precipitation March through July, April through July streamflows are forecast to average 110 percent.

Surface Water Supply Index (SWSI) was +1.5 in the Clark Fork River above Milltown; +2.4 in the Blackfoot River; and +1.9 in the Clark Fork River above Missoula.

UPPER CLARK FORK RIVER BASIN
Streamflow Forecasts - March 1, 2011

Forecast Point	Forecast Period	<<= Drier = Future Conditions = Wetter =>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Little Blackfoot R nr Garrison	APR-JUL	46	65	78	103	91	110	76
	APR-SEP	51	72	86	102	100	121	84
Flint Ck nr Southern Cross	APR-JUL	8.1	11.9	14.4	105	16.9	21	13.7
	APR-SEP	9.1	13.8	17.0	105	20	25	16.2
Flint Ck bl Boulder Ck	APR-JUL	33	48	58	104	68	83	56
	APR-SEP	44	62	74	104	86	104	71
Lower Willow Ck Reservoir Inflow (2)	APR-MAY	4.8	7.2	8.8	107	10.4	12.8	8.2
	APR-JUL	7.0	10.8	13.4	107	16.0	19.8	12.5
MF Rock Ck nr Philipsburg	APR-JUL	51	60	67	105	74	83	64
	APR-SEP	57	68	75	104	82	93	72
Rock Ck nr Clinton	APR-JUL	205	260	295	109	330	385	270
	APR-SEP	235	290	330	108	370	425	305
Clark Fork R ab Milltown	APR-JUL	420	570	675	112	780	930	605
	APR-SEP	510	675	790	112	905	1070	705
Nevada Ck nr Helmville	APR-MAY	6.4	9.6	11.8	115	14.0	17.2	10.3
	APR-JUL	10.6	16.1	19.9	115	24	29	17.3
Blackfoot R nr Bonner	APR-JUL	785	900	980	122	1060	1180	805
	APR-SEP	880	1010	1090	123	1170	1300	890
Clark Fork R ab Missoula	APR-JUL	1150	1420	1600	114	1780	2050	1410
	APR-SEP	1340	1620	1820	114	2020	2300	1600

UPPER CLARK FORK RIVER BASIN
Reservoir Storage (1000 AF) - End of February

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
EAST FORK ROCK CREEK	15.6	11.8	12.3	9.4
GEORGETOWN LAKE		NO REPORT		
LOWER WILLOW CREEK		NO REPORT		
NEVADA CREEK	12.6	8.7	7.0	5.2

UPPER CLARK FORK RIVER BASIN
Watershed Snowpack Analysis - March 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
CLARK FORK ab FLINT CREEK	14	142	104
FLINT CREEK	6	149	108
ROCK CREEK	5	176	108
CLARK FORK ab BLACKFOOT	22	155	106
BLACKFOOT	15	193	118
UPPER CLARK FORK BASIN	35	172	111

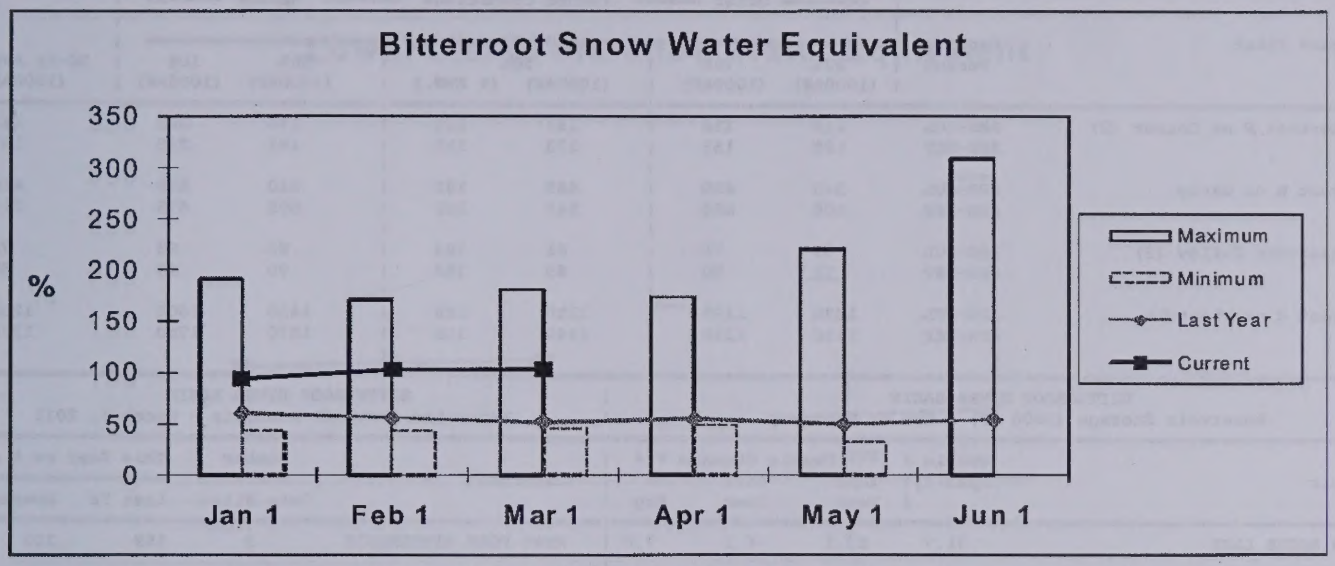
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

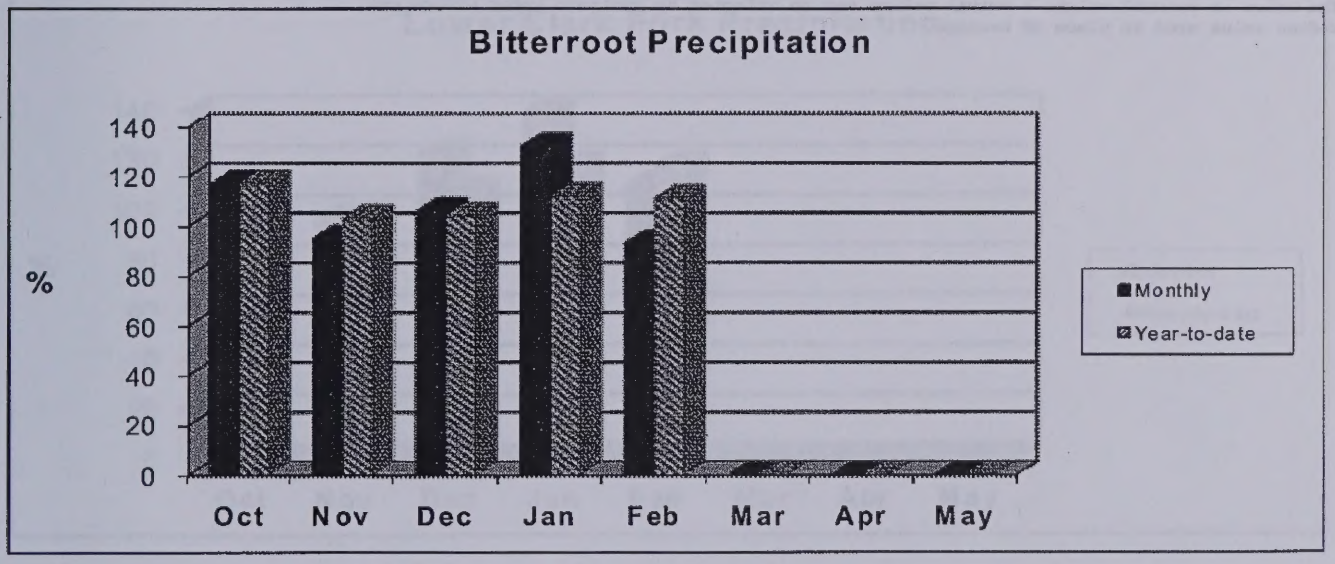
Bitterroot River Basin

Snowpack conditions in the Bitterroot River Basin were near average and remained the same as February 1. Snow water content was 103 percent of average and 198 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum was in 1977; March maximum swe was in 1972 and minimum swe was in 1977 and 2005; April maximum swe was in 1972 and minimum swe was in 2005; May maximum swe was in 1972 and minimum swe was in 1987; and June maximum swe was 1972 and 1974 and 1974 and minimum swe was in 1987, 1992, 1994, and 2001. Average is for the period 1971 through 2000.

Mountain precipitation during February was 90 percent of average and 271 percent of last year. Valley precipitation during February was 151 percent of average. Mountain and valley water year precipitation, beginning October 1, 2010, was 111 percent of average and 192 percent of last year.



Painted Rocks Lake storage was 187 percent of average and 215 percent of last year and Como storage was 126 percent of average and 143 percent of last year.

Assuming average precipitation March through July, April through July streamflows are forecast to average 106 percent.

Surface Water Supply Index (SWSI) was +1.4 in the Bitterroot River.

BITTERROOT RIVER BASIN
Streamflow Forecasts - March 1, 2011

Forecast Point	Forecast Period	<<= Drier = Future Conditions = Wetter =>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
WF Bitterroot R nr Conner (2)	APR-JUL	110	138	157	110	176	205	143
	APR-SEP	120	152	173	110	194	225	157
Bitterroot R nr Darby	APR-JUL	345	430	485	105	540	625	460
	APR-SEP	405	485	540	105	595	675	515
Como Reservoir Inflow (2)	APR-JUL	69	76	81	104	86	93	78
	APR-SEP	72	80	85	104	90	98	82
Bitterroot R nr Missoula	APR-JUL	1020	1190	1310	105	1430	1600	1250
	APR-SEP	1130	1310	1440	105	1570	1750	1370

BITTERROOT RIVER BASIN
Reservoir Storage (1000 AF) - End of February

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
PAINTED ROCKS LAKE	31.7	13.1	6.1	7.0
COMO	34.9	15.6	10.9	12.4

BITTERROOT RIVER BASIN
Watershed Snowpack Analysis - March 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
WEST FORK BITTERROOT	3	199	102
EAST SIDE BITTERROOT	5	200	108
WEST SIDE BITTERROOT	3	198	101
BITTERROOT RIVER BASIN	10	198	103

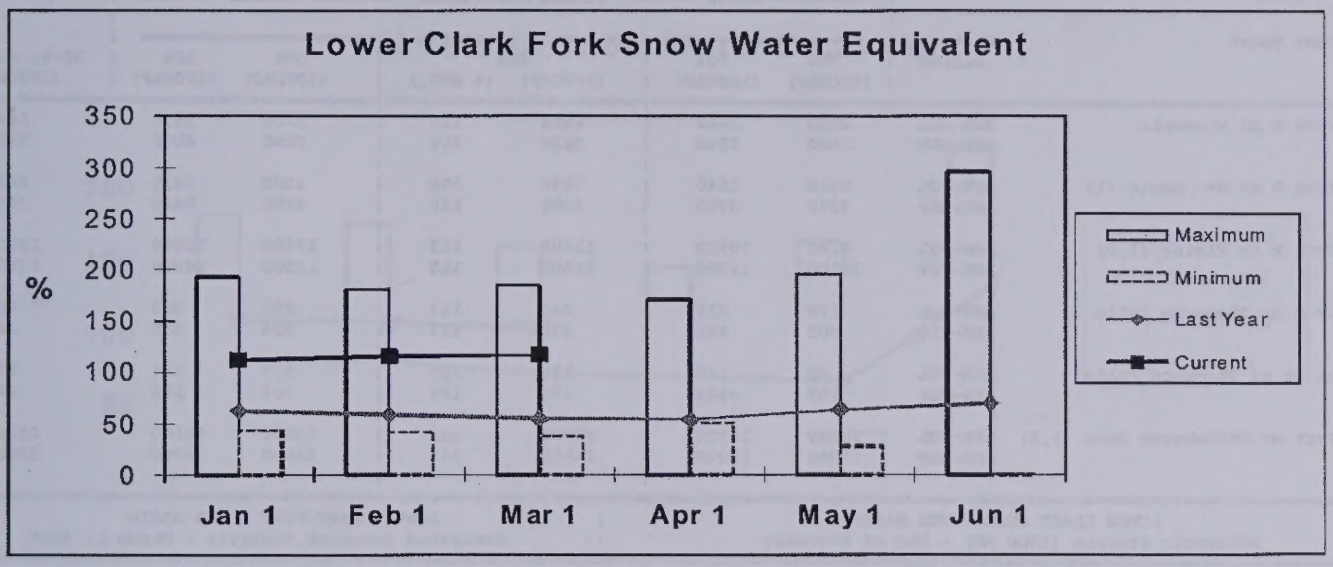
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

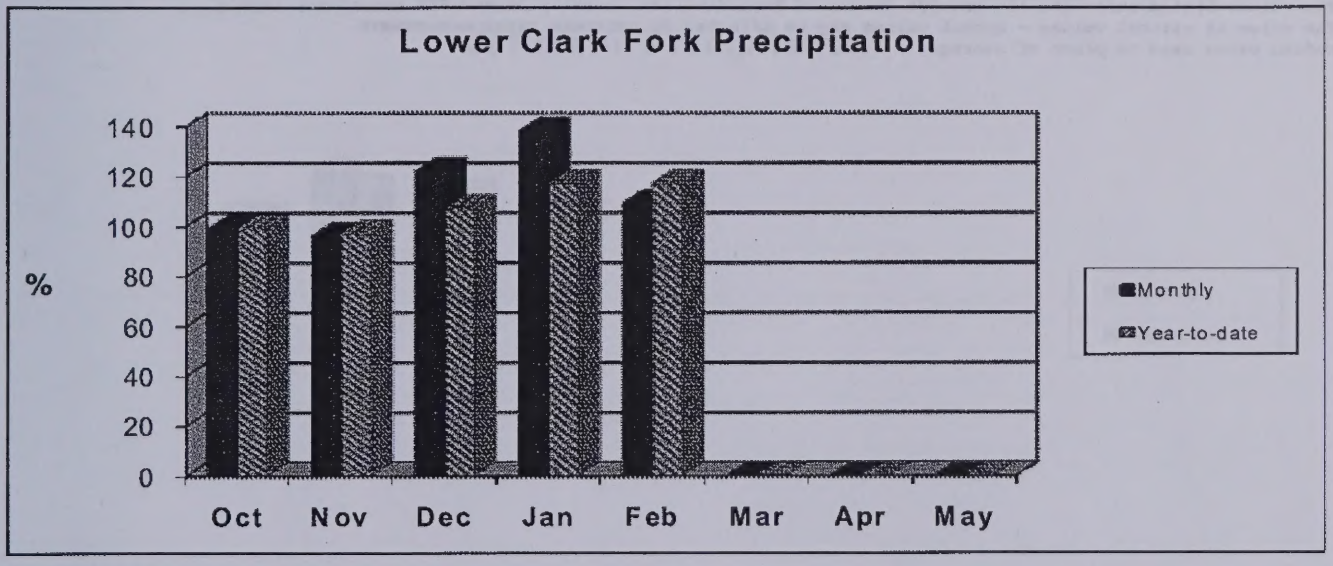
Lower Clark Fork River Basin

Snowpack conditions in the Lower Clark Fork River Basin were above average and increased 1 percent from February 1. Snow water content was 117 percent of average and 218 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum was in 2005; April maximum swe was in 1972 and minimum swe was in 2005; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1977. Average is for the period 1971 through 2000.

Mountain precipitation during February was 105 percent of average and 276 percent of last year. Valley precipitation during February was 126 percent of average and 399 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2010, was 117 percent of average and 186 percent of last year.



Noxon Rapids storage was 99 percent of average and 96 percent of last year.

Assuming average precipitation March through July, April through July streamflows are forecast to average 112 percent.

Surface Water Supply Index (SWSI) was +1.8 in the Clark Fork River below Bitterroot River and +2.2 in the Clark Fork River below Flathead River.

LOWER CLARK FORK RIVER BASIN
Streamflow Forecasts - March 1, 2011

Forecast Point	Forecast Period	<<= Drier = Future Conditions = Wetter =>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Clark Fork R bl Missoula	APR-JUL	2230	2640	2920	110	3200	3610	2660
	APR-SEP	2500	2950	3250	110	3550	4000	2960
Clark Fork R at St. Regis (1)	APR-JUL	2810	3540	3870	110	4200	4930	3520
	APR-SEP	3170	3950	4300	110	4650	5430	3910
Clark Fork R nr Plains (1,2)	APR-JUL	9190	10700	11400	113	12100	13600	10100
	APR-SEP	10100	11700	12500	113	13300	14900	11100
Thompson R nr Thompson Falls	APR-JUL	178	215	240	117	265	300	205
	APR-SEP	205	245	270	117	295	335	230
Prospect Ck at Thompson Falls	APR-JUL	98	115	126	109	137	154	116
	APR-SEP	107	123	135	109	147	163	124
Clark Fork at Whitehorse Rpds (1,2)	APR-JUL	10300	11900	12700	112	13500	15100	11300
	APR-SEP	11300	13200	14000	112	14800	16700	12500

LOWER CLARK FORK RIVER BASIN
Reservoir Storage (1000 AF) - End of February

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
NOXON RAPIDS	335.0	303.6	317.2	306.0

LOWER CLARK FORK RIVER BASIN
Watershed Snowpack Analysis - March 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
LOWER CLARK FORK BASIN	12	218	117

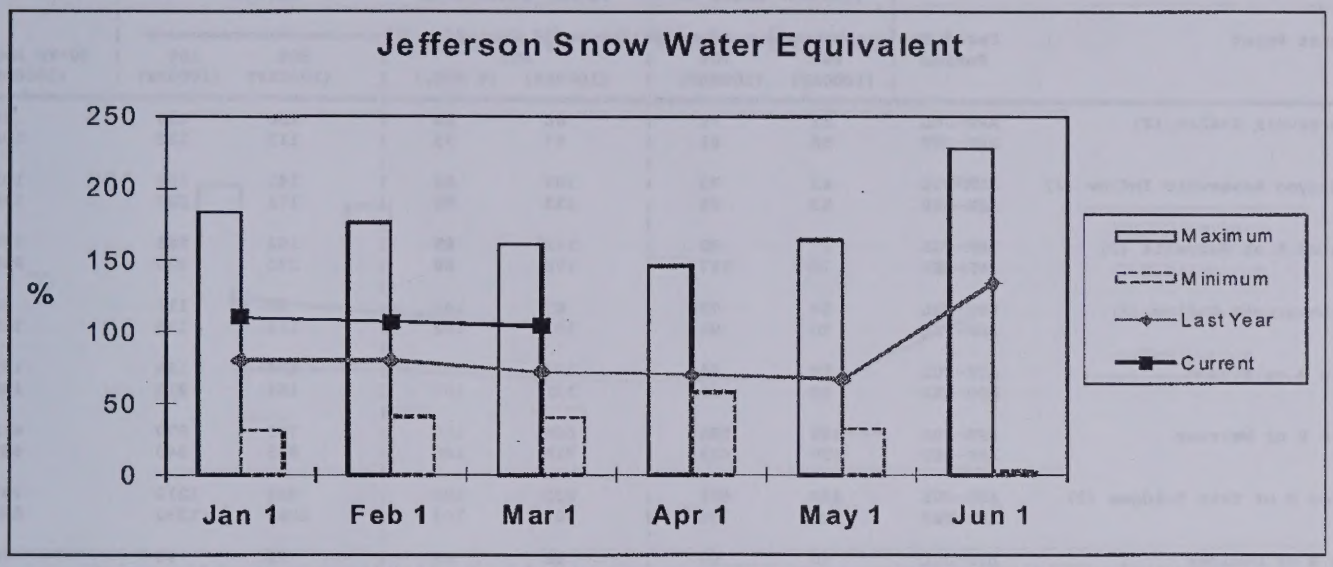
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

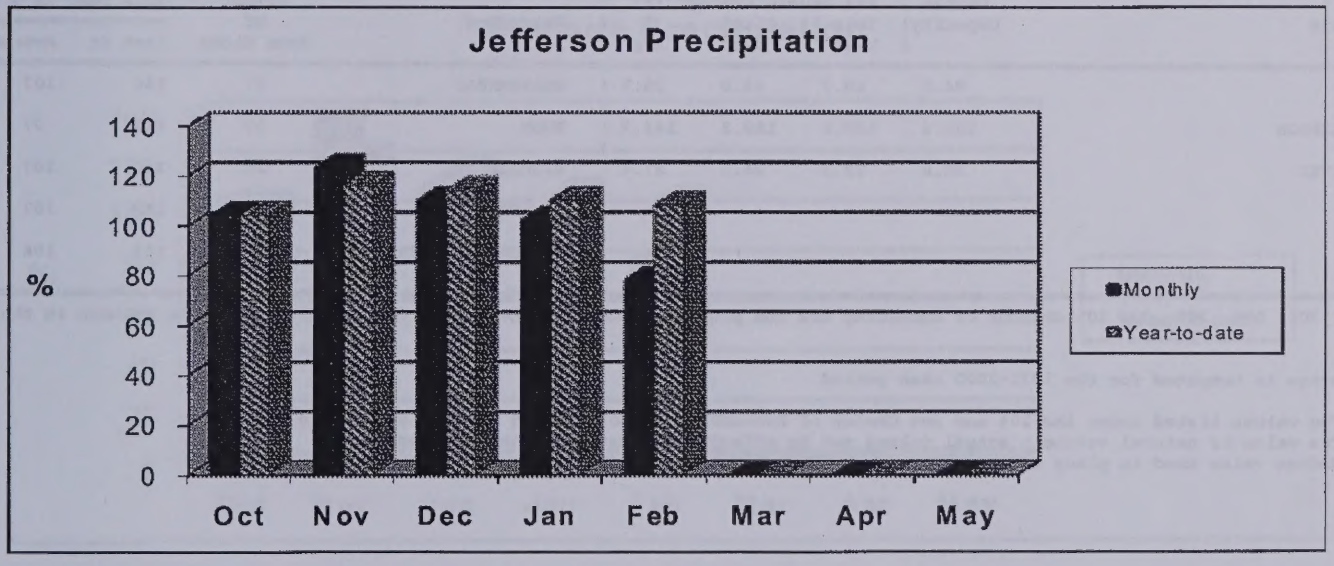
Jefferson River Basin

Snowpack conditions in the Jefferson River Basin were near and decreased 3 percent from February 1. Snow water content was 104 percent of average and 144 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1972 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1977; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1982 and minimum in 1987. Average is for the period 1971 through 2000.

Mountain precipitation during February was 77 percent of average and 175 percent of last year. Valley precipitation during February was 99 percent of average and 203 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2010, was 108 percent of average and 141 percent of last year.



Lima storage was 139 percent of average and 116 percent of last year; Clark Canyon storage was 110 percent of average and 100 percent of last year; and Ruby River storage was 107 percent of average and 111 percent of last year.

Assuming average precipitation March through July, April through July streamflows are forecast to average 96 percent.

Surface Water Supply Index (SWSI) was +0.8 in the Beaverhead River; +1.1 in the Ruby River; +1.2 in the Big Hole River; +0.2 in the Boulder River; and +1.8 in the Jefferson River as a whole.

JEFFERSON RIVER BASIN
Streamflow Forecasts - March 1, 2011

Forecast Point	Forecast Period	<<= Drier = Future Conditions = Wetter =>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Lima Reservoir Inflow (2)	APR-JUL	52	72	86	90	100	120	96
	APR-SEP	56	81	97	93	113	138	104
Clark Canyon Reservoir Inflow (2)	APR-JUL	43	73	107	82	141	192	131
	APR-SEP	53	95	133	85	171	225	156
Beaverhead R at Barretts (2)	APR-JUL	57	92	142	85	192	265	168
	APR-SEP	70	117	175	88	235	320	200
Ruby R Reservoir Inflow (2)	APR-JUL	58	75	87	104	99	116	84
	APR-SEP	70	90	103	102	116	136	101
Big Hole R at Wisdom	APR-JUL	50	94	124	103	154	198	121
	APR-SEP	50	98	131	101	164	210	130
Big Hole R nr Melrose	APR-JUL	460	580	665	109	750	870	610
	APR-SEP	490	625	715	108	805	940	660
Jefferson R nr Twin Bridges (2)	APR-JUL	460	685	835	106	985	1210	785
	APR-SEP	485	735	905	103	1080	1330	880
Boulder R nr Boulder	APR-JUL	40	57	68	87	79	96	78
	APR-SEP	43	61	73	86	85	103	85
Willow Ck Reservoir Inflow (2)	APR-JUL	5.5	11.6	15.8	88	20	26	17.9
	APR-SEP	6.8	13.2	17.6	88	22	28	20
Jefferson R nr Three Forks (2)	APR-JUL	365	620	790	101	960	1220	780
	APR-SEP	395	675	865	101	1060	1340	860

JEFFERSON RIVER BASIN
Reservoir Storage (1000 AF) - End of February

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LIMA	84.0	49.7	43.0	35.7
CLARK CANYON	255.6	159.0	159.2	144.2
RUBY RIVER	38.8	29.3	26.5	27.4

JEFFERSON RIVER BASIN
Watershed Snowpack Analysis - March 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
BEAVERHEAD	17	150	107
RUBY	11	113	97
BIGHOLE	18	164	107
BOULDER	9	142	107
JEFFERSON RIVER BASIN	46	144	104

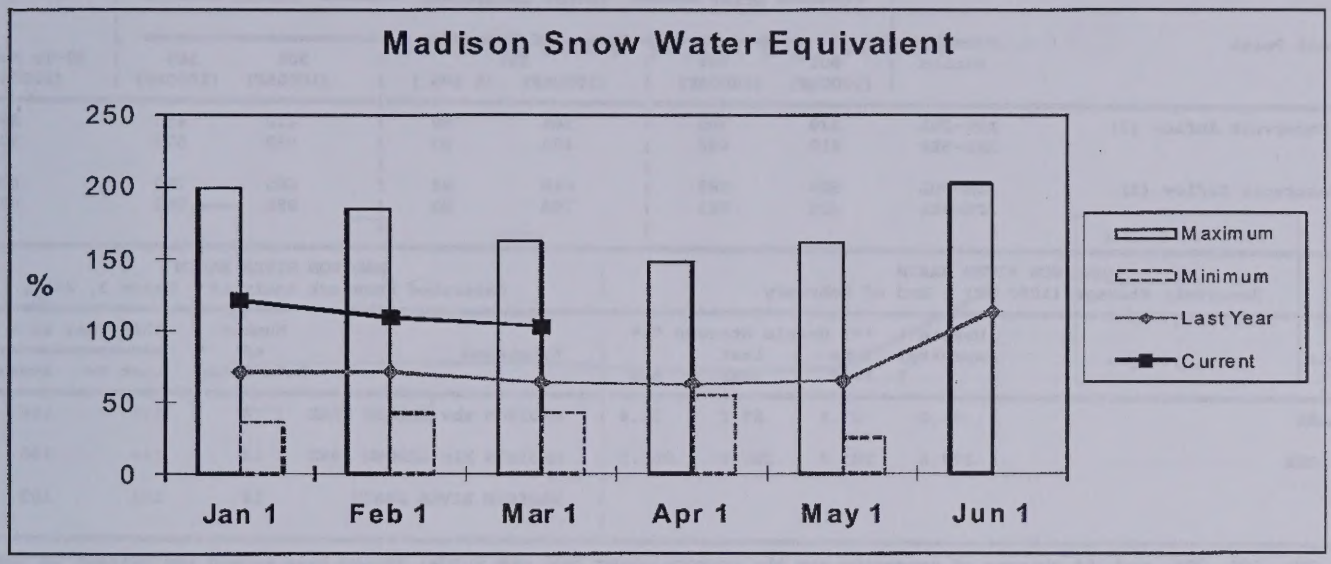
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

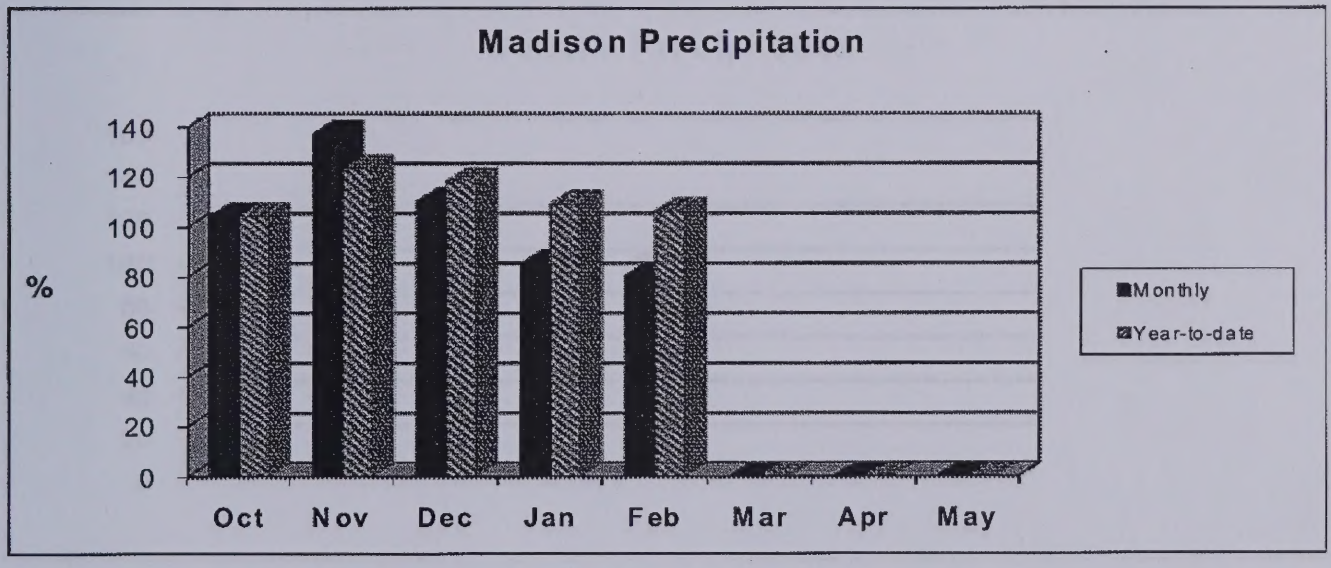
Madison River Basin

Snowpack conditions in the Madison River Basin were near average and decreased 6 percent from February 1. Snow water content was 103 percent of average and 161 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1997 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1977; May maximum swe was in 1997 and minimum swe was in 1977; and June maximum swe was in 1995 and minimum in 1987 and 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during February was 80 percent of average and 188 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2010, was 106 percent of average and 145 percent of last year.



Ennis Lake storage was 89 percent of average and 99 percent of last year and Hebgen Lake storage was 110 percent of average and 101 percent of last year.

Assuming average precipitation March through July, April through July streamflows are forecast to average 96 percent.

Surface Water Supply Index (SWSI) was +0.3 for the Madison River.

MADISON RIVER BASIN
Streamflow Forecasts - March 1, 2011

Forecast Point	Forecast Period	<<= Drier = Future Conditions = Wetter =>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Hebgen Reservoir Inflow (2)	APR-JUL	320	360	385	98	410	450	395
	APR-SEP	410	460	490	97	520	570	505
Ennis Reservoir Inflow (2)	APR-JUL	500	585	640	94	695	780	680
	APR-SEP	625	725	790	93	855	955	850

MADISON RIVER BASIN
Reservoir Storage (1000 AF) - End of February

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
ENNIS LAKE	41.0	27.8	28.2	31.4
HEBGEN LAKE	377.5	291.0	288.8	265.2

MADISON RIVER BASIN
Watershed Snowpack Analysis - March 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
MADISON abv HEBGEN LAKE	6	191	106
MADISON blw HEBGEN LAKE	12	145	100
MADISON RIVER BASIN	18	161	103

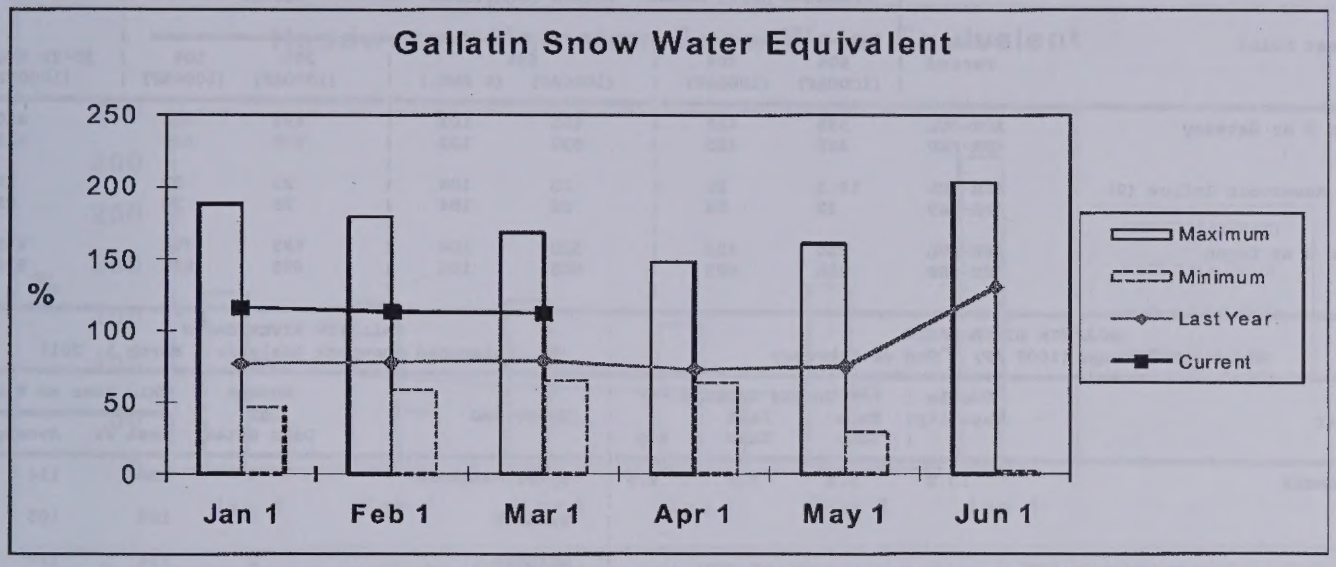
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

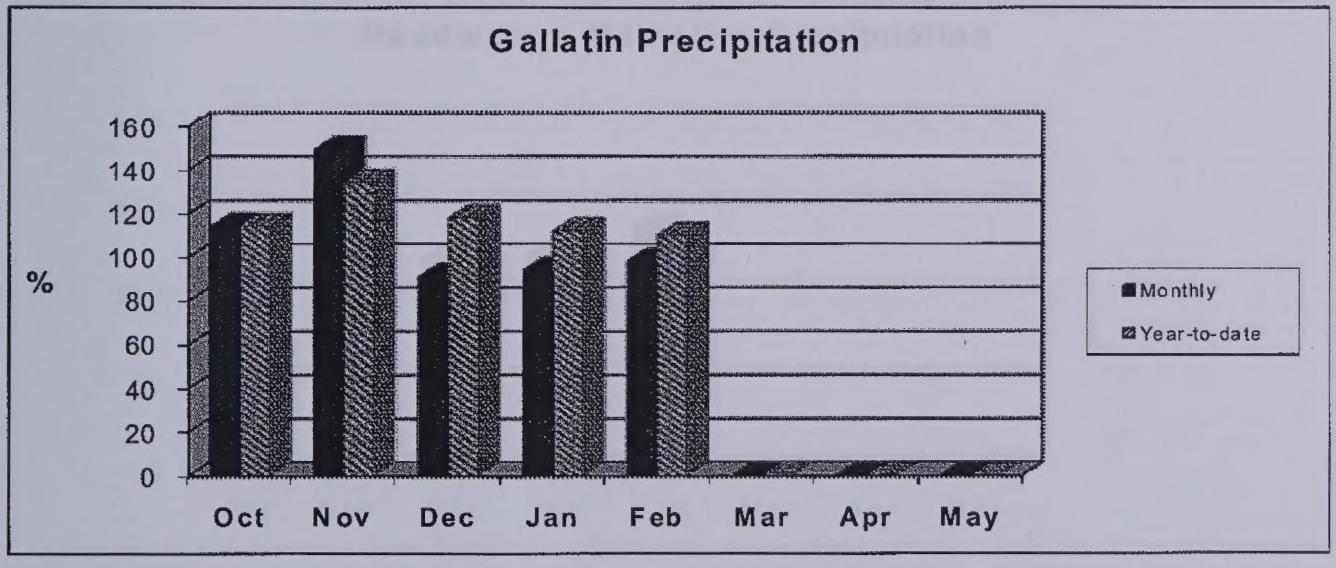
Gallatin River Basin

Snowpack conditions in the Gallatin River Basin were above average and increased 1 percent from February 1. Snow water content was 112 percent of average and 141 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1966; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1997 and minimum was in 1977and 2005; April maximum swe was in 1997 and minimum was in 1987; May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1975 and minimum in 2001. Average is for the period 1971 through 2000.

Mountain precipitation during February was 98 percent of average and 115 percent of last year. Valley precipitation during February was 110 percent of average and 136 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2010, was 110 percent of average and 129 percent of last year.



Middle Creek storage was 147 percent of average and 100 percent of last year.

Assuming average precipitation March through July, April through July streamflows are forecast to average 105 percent.

Surface Water Supply Index (SWSI) was +1.1 for the Gallatin River.

GALLATIN RIVER BASIN
Streamflow Forecasts - March 1, 2011

Forecast Point	Forecast Period	<<= Drier = Future Conditions = Wetter =>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Gallatin R nr Gateway	APR-JUL	355	415	455	103	495	555	440
	APR-SEP	415	485	530	103	575	645	515
Hyalite Reservoir Inflow (2)	APR-JUL	19.3	21	23	105	25	27	22
	APR-SEP	22	24	26	104	28	30	25
Gallatin R at Logan	APR-JUL	350	455	525	106	595	700	495
	APR-SEP	410	525	605	106	685	800	570

GALLATIN RIVER BASIN
Reservoir Storage (1000 AF) - End of February

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
MIDDLE CREEK	10.2	6.6	6.6	4.5

GALLATIN RIVER BASIN
Watershed Snowpack Analysis - March 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
UPPER GALLATIN	7	158	114
HYALITE	4	125	105
BRIDGER	2	114	112
GALLATIN RIVER BASIN	13	141	112

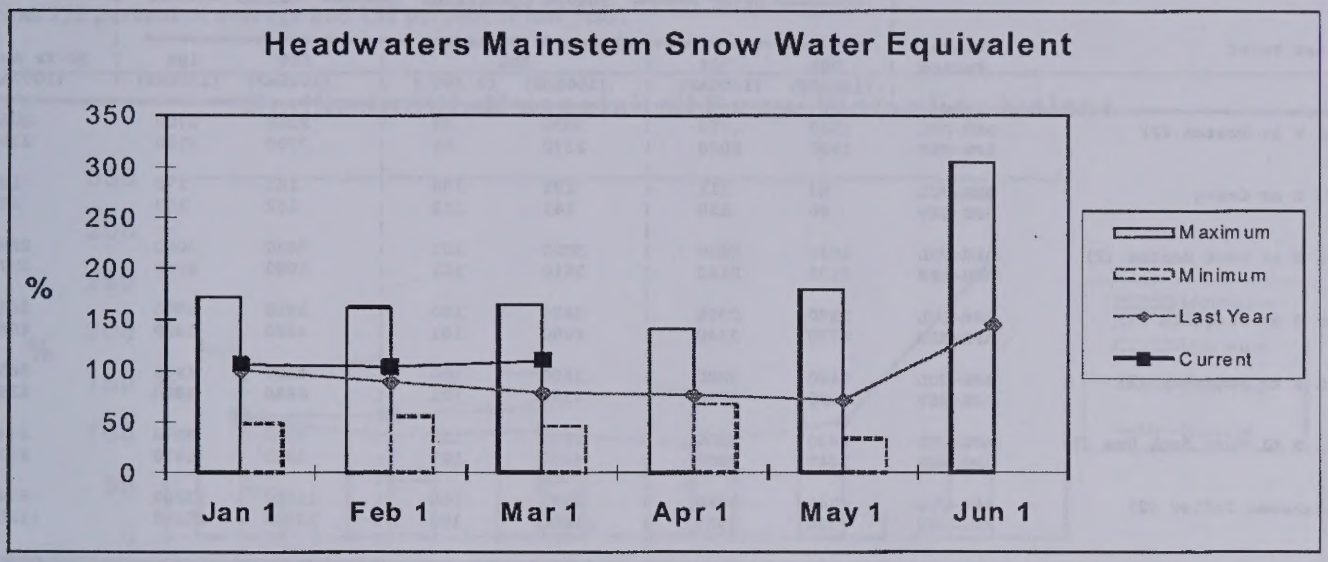
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

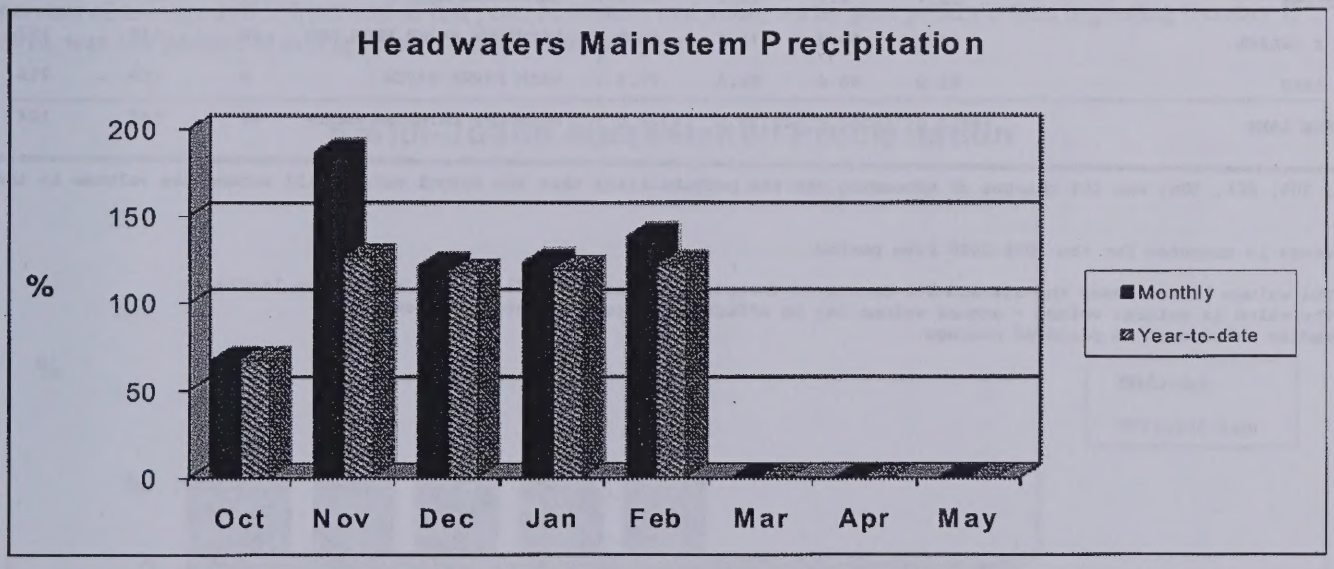
Missouri Mainstem River Basin

Snowpack conditions in the Headwaters Missouri Mainstem River Basin were above average and increased 1 percent from February 1. Snow water content was 124 percent of average and 147 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum swe was in 1977 and 1988; March maximum swe in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum swe was in 1961, 1966 and 2005; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1975 and minimum swe was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during February was 114 percent of average and 263 percent of last year. Valley precipitation during February was 206 percent of average and 247 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2010, was 122 percent of average and 118 percent of last year.



Canyon Ferry Lake storage was 94 percent of average and 90 percent of last year; Helena Valley storage was 123 percent of average and 104 percent of last year; Lake Helena storage was 72 percent of average and 95 percent of last year; Hauser & Helena storage was 110 percent of average and 97 percent of last year; Holter Lake storage was 104 percent of average and 99 percent of last year; and Fort Peck Lake storage was 104 percent of average and 121 percent of last year.

Assuming average precipitation March through July, April through July streamflows are forecast to average 102 percent.

Surface Water Supply Index (SWSI) was +0.5 in the Missouri River above Canyon Ferry; +0.1 in the Missouri River below Canyon Ferry; +0.9 in the Missouri River above Fort Peck; and +1.1 in the Missouri River below Fort Peck.

MISSOURI MAINSTEM RIVER BASIN
Streamflow Forecasts - March 1, 2011

Forecast Point	Forecast Period	<<= Drier = Future Conditions = Wetter =>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Missouri R at Toston (2)	APR-JUL	1340	1750	2030	99	2310	2720	2050
	APR-SEP	1590	2040	2370	99	2700	3150	2390
Dearborn R nr Craig	APR-JUL	83	111	131	108	151	179	121
	APR-SEP	90	120	141	113	162	192	125
Missouri R at Fort Benton (2)	APR-JUL	2040	2620	3020	101	3420	4000	2990
	APR-SEP	2420	3140	3610	101	4080	4790	3570
Missouri R nr Virgelle (2)	APR-JUL	2320	2990	3450	100	3910	4580	3450
	APR-SEP	2730	3540	4080	101	4620	5430	4060
Missouri R nr Landusky (2)	APR-JUL	2480	3200	3690	100	4180	4900	3690
	APR-SEP	2920	3790	4370	101	4950	5820	4350
Missouri R bl Fort Peck Dam (2)	APR-JUL	2630	3350	3850	103	4350	5070	3740
	APR-SEP	3040	3900	4470	103	5040	5910	4330
Lake Sakakawea Inflow (2)	APR-JUL	6740	8640	9930	102	11200	13100	9740
	APR-SEP	7720	9920	11400	102	12900	15100	11200

MISSOURI MAINSTEM RIVER BASIN
Reservoir Storage (1000 AF) - End of February

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
CANYON FERRY LAKE	2043.0	1418.0	1579.0	1509.4
HELENA VALLEY	9.2	4.9	4.7	4.0
LAKE HELENA	12.7	9.7	10.2	13.4
HAUSER & HELENA	74.6	69.3	71.4	63.0
HOLTER LAKE	81.9	80.4	81.3	77.6
FORT PECK LAKE	18910.0	15390.0	12730.0	14728.0

MISSOURI MAINSTEM RIVER BASIN
Watershed Snowpack Analysis - March 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
HEADWATERS MAINSTEM	9	140	110
SMITH-JUDITH-MUSSELSHELL	16	123	126
SUN-TETON-MARIAS	14	195	104
MAINSTEM ab FT PECK RES	38	147	113
MILK RIVER BASIN	9	150	216
MISSOURI MAINSTEM BASIN	46	147	124

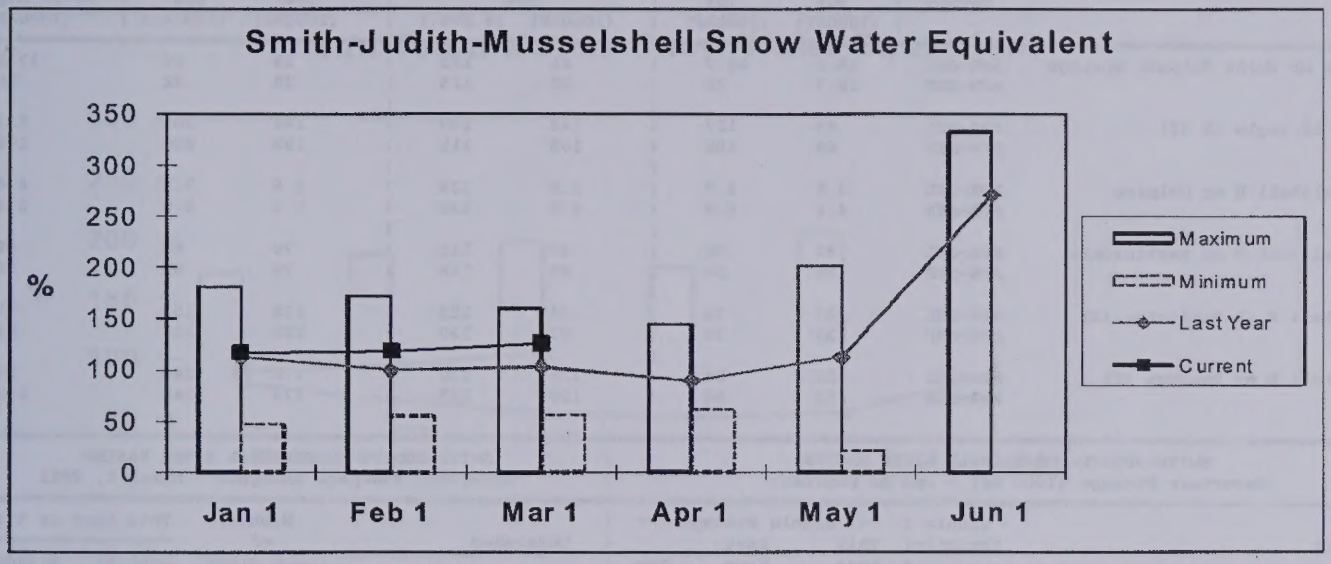
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

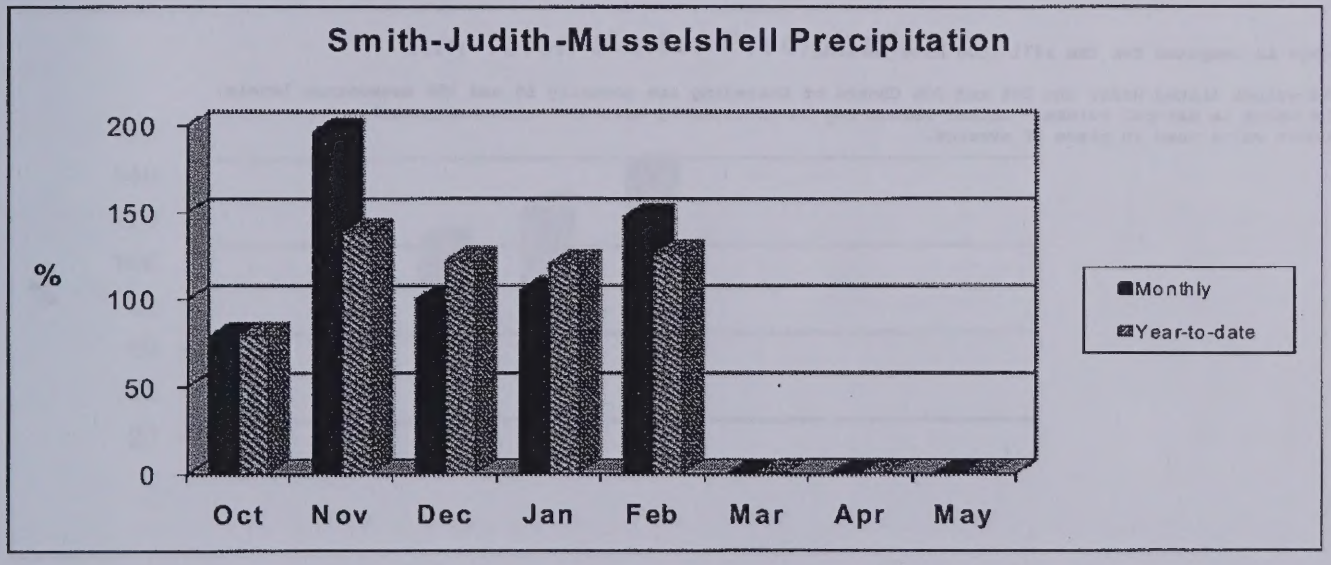
Smith-Judith-Musselshell River Basins

Snowpack conditions in the Smith-Judith-Musselshell River Basins were above average and increased 7 percent from February 1. Snow water content in the Smith River Basin was 123 percent of average and 149 percent of last year; in the Judith River Basin was 133 percent of average and 105 percent of last year; and in the Musselshell River Basin was 120 percent of average and 135 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1988; February maximum swe was in 1978 and minimum swe was in 1987; March maximum swe was in 1978 and minimum swe was in 1987 and 2005; April maximum swe was in 1970 and minimum swe was in 1992; and May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1967 and minimum swe was in 1987, 1992, 1994, and 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during February in the Smith-Belts was 138 percent of average and 221 percent of last year; in the Judith was 148 percent of average and 160 percent of last year; and in the Musselshell was 164 percent of average and 172 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2010, was 126 percent of average and 115 percent of last year.



Smith River storage was 129 percent of average and 121 percent of last year; Ackley Lake was 125 percent of average and 98 percent of last year; Bair storage was 145 percent of average and 138 percent of last year; Martinsdale storage was 177 percent of average and 97 percent of last year; and Deadman's Basin was 131 percent of average and 152 percent of last year.

Assuming average precipitation March through July, April through July streamflows are forecast to average 121 percent.

Surface Water Supply Index (SWSI) was +2.6 in the Smith River; +3.5 in the Upper Judith River; and +2.4 in the Musselshell River.

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Streamflow Forecasts - March 1, 2011

Forecast Point	Forecast Period	<<= Drier = Future Conditions = Wetter =>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Sheep Ck nr White Sulphur Springs	APR-JUL	15.3	18.7	21	123	23	27	17.1
	APR-SEP	18.3	22	25	125	28	32	20
Smith R bl Eagle Ck (2)	APR-JUL	89	122	145	109	168	200	133
	APR-SEP	99	138	165	111	192	230	149
NF Musselshell R nr Delpine	APR-JUL	3.8	5.0	5.8	126	6.6	7.8	4.6
	APR-SEP	4.6	5.9	6.8	126	7.7	9.0	5.4
SF Musselshell R ab Martinsdale	APR-JUL	34	50	60	115	70	86	52
	APR-SEP	38	54	65	116	76	92	56
Musselshell R at Harlowton (2)	APR-JUL	37	72	95	123	118	153	77
	APR-SEP	35	72	97	120	122	159	81
Musselshell R nr Roundup (2)	APR-JUL	52	84	129	130	174	240	99
	APR-SEP	52	84	129	127	174	240	102

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Reservoir Storage (1000 AF) - End of February

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
SMITH RIVER	10.6	8.5	7.0	6.6
ACKLEY LAKE	7.0	4.0	4.1	3.2
BAIR	7.0	5.8	4.2	4.0
MARTINSDALE	23.1	18.1	18.7	10.2
DEADMAN'S BASIN	72.2	65.1	42.8	49.8

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Watershed Snowpack Analysis - March 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
SMITH	8	149	123
HIGHWOOD	2	123	118
JUDITH	6	105	133
MUSSELSHELL	5	135	120
SMITH-JUDITH-MUSSELSHELL	16	123	126

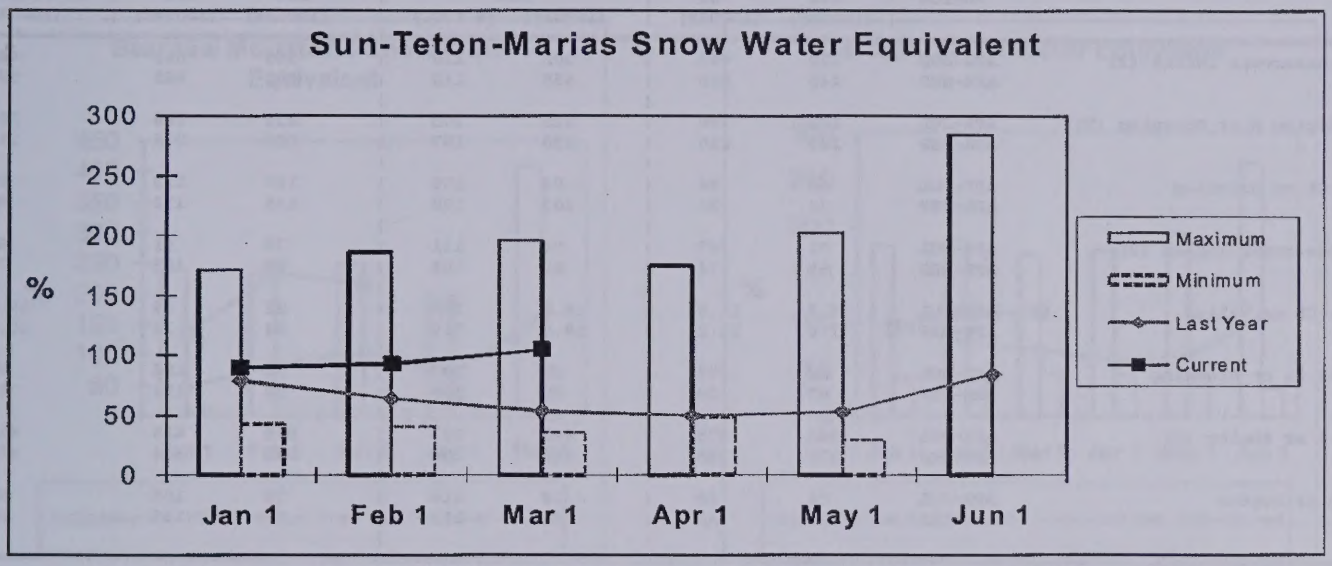
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

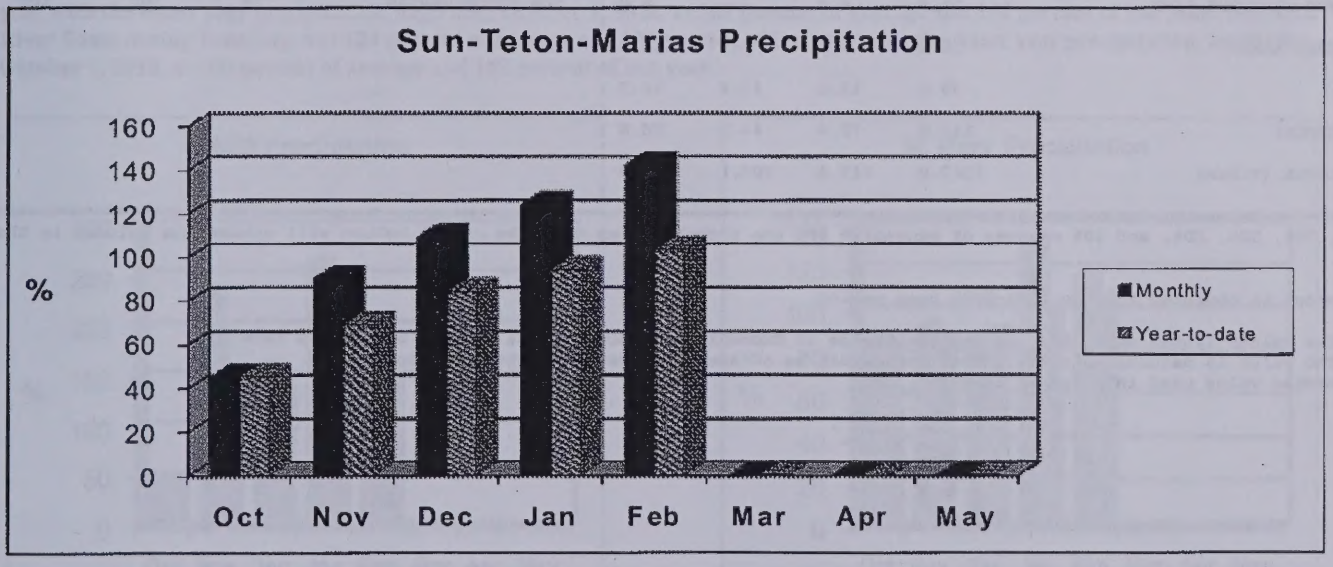
Sun-Teton-Marias River Basins

Snowpack conditions in the Sun-Teton-Marias River Basins were near average and increased 12 percent from February 1. Snow water content in the Sun River Basin was 105 percent of average and 192 percent of last year; in the Teton River Basin was 114 percent of average and 205 percent of last year; and in the Marias River Basin was 93 percent of average and 173 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 2001; March maximum swe was in 1972 and minimum swe was in 2005; April maximum swe was in 1972 and minimum swe was in 2005; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum was in 1972 and minimum swe was in 1987, 1992, and 1998. Average is for the period 1971 through 2000.

Mountain and valley precipitation during February in the Sun was 155 percent of average and 680 percent of last year; in the Teton was 180 percent of average and 855 percent of last year; and in the Marias was 129 percent of average and 450 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2010, was 103 percent of average and 141 percent of last year.



Gibson storage was 32 percent of average and 68 percent of last year; Pishkun storage was 120 percent of average and 102 percent of last year; Willow Creek storage was 113 percent of average and 102 percent of last year; Lower Two Medicine Lake storage was 45 percent of average; Four Horns Lake storage was 78 percent of average; Swift storage was 81 percent of average and 76 percent of last year; Lake Frances storage was 109 percent of average and 165 percent of last year; and Lake Elwell (Tiber) storage was 118 percent of average and 106 percent of last year.

Assuming average precipitation March through July, April through July streamflows are forecast to average 111 percent.

Surface Water Supply Index (SWSI) was +1.4 in the Sun River; +1.7 in the Teton River; +1.3 in the Birch/Dupuyer Creeks; +0.6 in the Marias River above Tiber Reservoir; and +2.7 in the Marias River below Tiber Reservoir.

SUN-TETON-MARIAS RIVER BASINS
Streamflow Forecasts - March 1, 2011

Forecast Point	Forecast Period	<<= Drier = Future Conditions = Wetter =>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Gibson Reservoir Inflow (2)	APR-JUL	400	465	505	110	545	610	460
	APR-SEP	445	510	555	110	600	665	505
Two Medicine R nr Browning (2)	APR-JUL	172	198	215	105	230	260	205
	APR-SEP	185	210	230	107	250	275	215
Badger Ck nr Browning	APR-JUL	68	84	94	109	104	120	86
	APR-SEP	74	91	103	108	115	132	95
Swift Reservoir Inflow (2)	APR-JUL	51	63	71	111	79	91	64
	APR-SEP	61	74	83	108	92	105	77
Dupuyer Ck nr Valier	APR-JUL	6.7	11.9	16.8	120	22	29	14.0
	APR-SEP	7.4	13.2	18.6	119	24	32	15.7
Cut Bank Ck nr Browning	APR-JUL	58	72	82	107	92	106	77
	APR-SEP	62	78	88	105	98	114	84
Marias R nr Shelby (2)	APR-JUL	265	375	445	107	515	625	415
	APR-SEP	275	385	465	106	545	655	440
Teton R nr Dutton	APR-JUL	24	40	59	116	78	106	51
	APR-SEP	26	45	66	112	87	117	59

SUN-TETON-MARIAS RIVER BASINS
Reservoir Storage (1000 AF) - End of February

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
GIBSON	99.1	16.0	23.6	49.7
PISHKUN	32.0	21.1	20.6	17.6
WILLOW CREEK	32.2	26.1	25.7	23.0
LOWER TWO MEDICINE LAKE	11.9	4.0	---	8.9
FOUR HORNS LAKE	19.2	9.3	---	12.0
SWIFT	30.0	13.4	17.6	16.5
LAKE FRANCES	112.0	72.6	44.1	66.8
LAKE ELWELL (TIBER)	1347.0	747.6	704.1	631.9

SUN-TETON-MARIAS RIVER BASINS
Watershed Snowpack Analysis - March 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
SUN	7	228	120
TETON	4	205	114
MARIAS	6	173	93
SUN-TETON-MARIAS	15	192	105

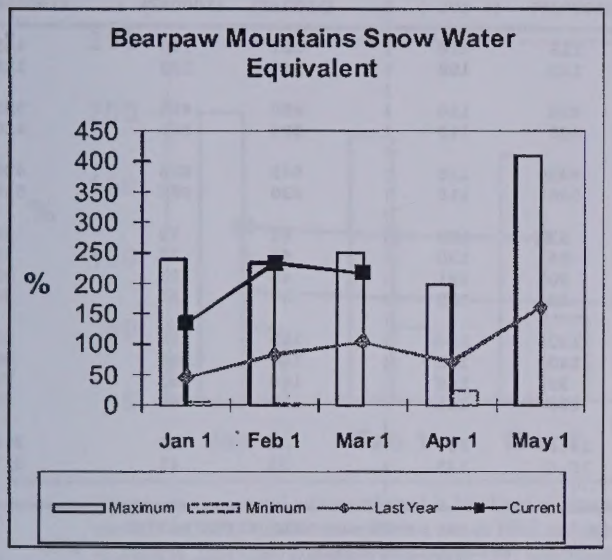
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

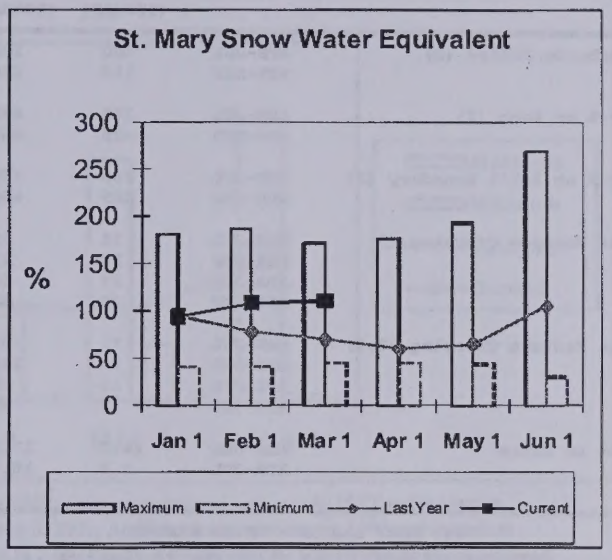
The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

St. Mary and Milk River Basins

Snowpack conditions in the St. Mary and Milk River Basins were well above average and decreased 11 percent from February 1. Snow water content in the St. Mary River Basin was 111 percent of average, 158 percent of last year and increased 3 percent from February 1. The Bearpaw Mountains were 185 percent of average, 179 percent of last year and decreased 18 percent from February 1. The Cypress Hills in Canada were 240 percent of average and 137 percent of last year.

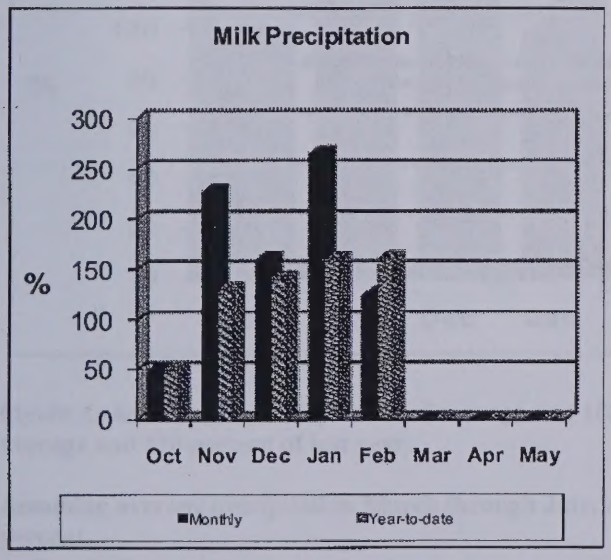


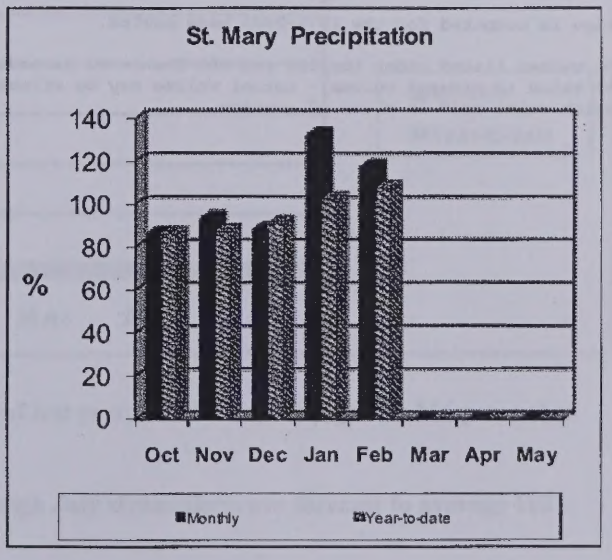


Bearpaw - January maximum swe was established in 1978 and minimum swe was in 1981; February maximum swe was 1978 and minimum was in 1973; March maximum swe was 1978 and minimum swe was 2005; April maximum swe was in 1985 and minimum swe was in 1973, 1983, and 1986; May maximum swe was 1975 and the minimum, 0.0, has occurred in several years. Average is for the period 1971 through 2000.

St. Mary - January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 2001; March maximum swe was in 1972 and minimum swe was in 2005; April maximum swe was in 1967 and 1972 and minimum swe was in 2005; May maximum swe was in 19972 and minimum swe was in 1977; and June maximum swe was in 1972 and minimum swe was 1992. Average is for the period 1971 through 2000.

Mountain and valley precipitation in the St. Mary River Basin during February was 117 percent of average and 430 percent of last year with the water year precipitation, beginning October 1, 2010, at 107 percent of average and 144 percent of last year. The Milk River Basin during February was 124 percent of average and 151 percent of last year with the water year precipitation, beginning October 1, 2010, at 160 percent of average and 152 percent of last year.





Lake Sherburne storage was 176 percent of average and 187 percent of last year; Fresno storage was 133 percent of average and 196 percent of last year; Beaver Creek storage was 139 percent of average and 123 percent of last year; and Nelson storage was 147 percent of average and 113 percent of last year.

Assuming average precipitation March through July, April through July streamflows in the St. Mary are forecast to average 112 percent and in the Milk are forecast to average 164 percent.

Surface Water Supply Index (SWSI) was +2.5 in the St. Mary River and +3.1 in the Milk River.

ST. MARY and MILK RIVER BASINS
Streamflow Forecasts - March 1, 2011

Forecast Point	Forecast Period	<<= Drier = Future Conditions = Wetter =>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Lake Sherburne Inflow (2)	APR-JUL	100	109	115	110	121	130	105
	APR-SEP	116	126	133	109	140	150	122
St. Mary R nr Babb (2)	APR-JUL	360	400	425	110	450	490	385
	APR-SEP	425	465	495	110	525	565	450
St. Mary R at Int'l Boundary (2)	APR-JUL	405	465	505	116	545	605	435
	APR-SEP	485	550	590	115	630	695	515
Milk R at Western Crossing (3)	MAR-JUL	34	45	53	129	61	72	41
	MAR-SEP	35	47	56	130	65	77	43
	APR-JUL	27	35	40	121	45	53	33
	APR-SEP	28	37	43	119	49	58	36
Milk R at Eastern Crossing (2,3)	MAR-JUL	72	108	132	159	156	192	83
	MAR-SEP	78	116	142	162	168	205	88
	APR-JUL	45	72	90	149	108	135	61
	APR-SEP	53	81	100	145	119	147	69
Beaver Ck nr Havre	MAR-JUL	14.3	17.5	19.6	204	22	25	9.6
	APR-JUL	5.9	10.5	15.6	179	23	41	8.7

ST. MARY and MILK RIVER BASINS
Reservoir Storage (1000 AF) - End of February

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LAKE SHERBURNE	64.3	50.4	26.9	28.6
FRESNO	127.0	69.2	35.3	52.0
BEAVER CREEK	3.5	3.2	2.6	2.3
NELSON	66.8	48.8	43.1	33.1

ST. MARY and MILK RIVER BASINS
Watershed Snowpack Analysis - March 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
ST. MARY	3	158	111
BEARPAW MOUNTAINS	3	179	185
CYPRESS HILLS, CANADA	6	137	240
MILK RIVER BASIN	8	153	217
ST. MARY & MILK BASINS	12	154	144

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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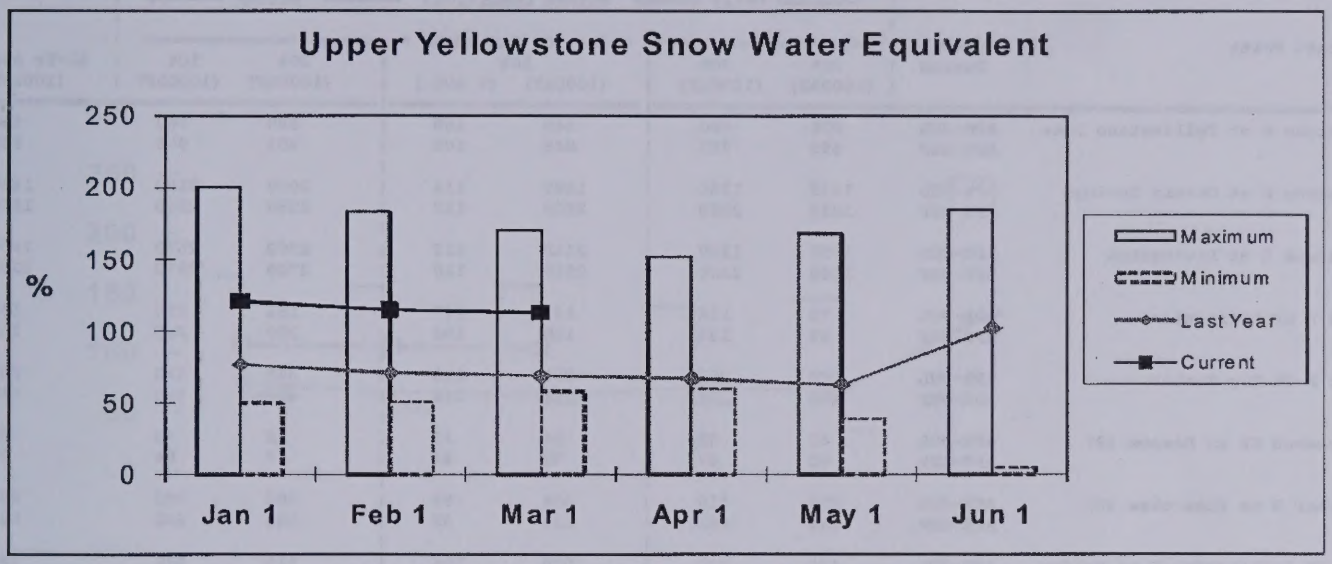
(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

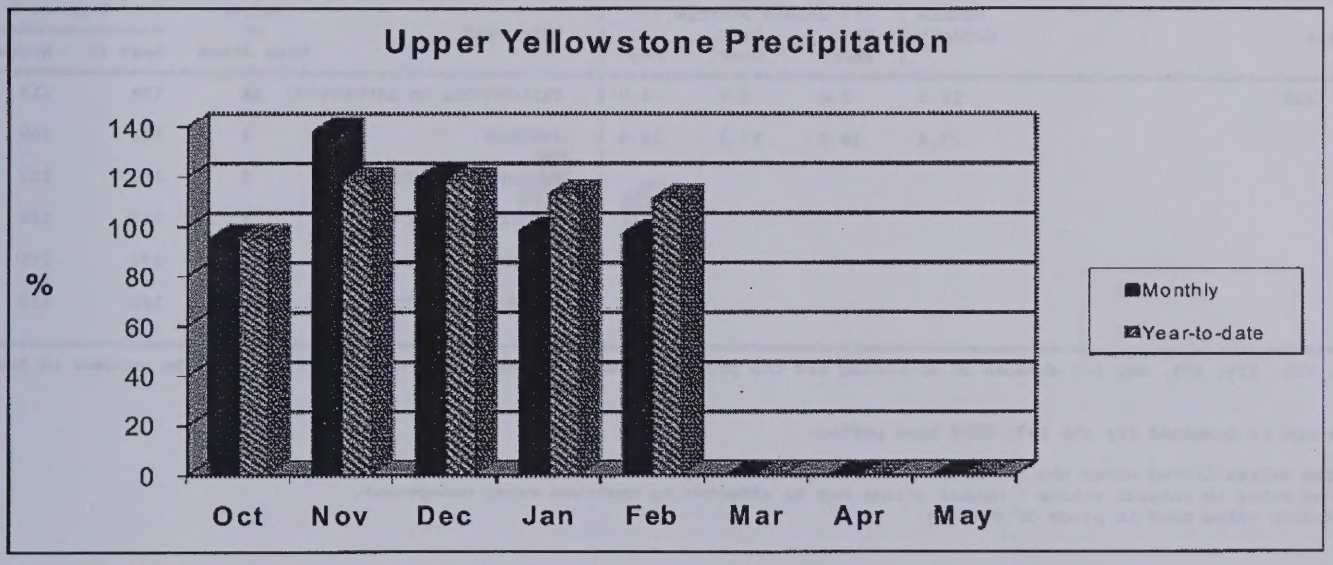
Upper Yellowstone River Basin

Snowpack conditions in the Upper Yellowstone River Basin were above average and decreased 2 percent from February 1. Snow water content was 113 percent of average and 160 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1997 and minimum swe was in 2001; March maximum swe was in 1997 and minimum swe was in 2001; April maximum swe was in 1997 and minimum swe was in 2001; May maximum swe was in 1997 and minimum swe was in 1987; and June maximum swe was 1996 and minimum swe was in 2001. Average is for the period 1971 through 2000.

Mountain precipitation during February was 94 percent of average and 167 percent of last year. Valley precipitation during February was 127 percent of average and 199 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2010, was 111 percent of average and 149 percent of last year.



Mystic Lake storage was 95 percent of average and 103 percent of last year and Cooney storage was 116 percent of average and 110 percent of last year.

Assuming average precipitation March through July, April through July streamflows are forecast to average 102 percent.

Surface Water Supply Index (SWSI) was +1.7 in the Yellowstone River above Livingston; +2.1 in the Shields River; +2.4 in the Boulder River; -0.1 in the Stillwater River; -0.9 in the Rock/Red Lodge Creeks; +1.5 in the Clarks Fork River; and +1.5 in the Yellowstone River above Bighorn River.

UPPER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - March 1, 2011

Forecast Point	Forecast Period	<<= Drier = Future Conditions = Wetter =>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Yellowstone R at Yellowstone Lake	APR-JUL	530	600	645	109	690	760	590
	APR-SEP	695	785	845	105	905	995	805
Yellowstone R at Corwin Springs	APR-JUL	1570	1760	1880	114	2000	2190	1650
	APR-SEP	1830	2050	2200	112	2350	2570	1970
Yellowstone R at Livingston	APR-JUL	1750	1980	2140	113	2300	2530	1900
	APR-SEP	2050	2320	2510	110	2700	2970	2280
Shields R nr Livingston	APR-JUL	79	124	155	107	186	230	145
	APR-SEP	83	134	168	104	200	255	162
Boulder R at Big Timber	APR-JUL	260	305	335	118	365	410	285
	APR-SEP	280	330	365	116	400	450	315
West Rosebud Ck nr Roscoe (2)	APR-JUL	47	52	56	93	60	65	60
	APR-SEP	60	67	72	94	77	84	77
Stillwater R nr Absarokee (2)	APR-JUL	350	410	455	92	500	560	495
	APR-SEP	410	485	535	92	585	660	585
Clarks Fk Yellowstone R nr Belfry	APR-JUL	470	530	570	106	610	670	540
	APR-SEP	515	580	625	105	670	735	595
Cooney Reservoir Inflow (2)	APR-JUL	14.4	24	30	64	36	46	47
	APR-SEP	21	32	39	68	46	57	57
Yellowstone R at Billings	APR-JUL	2970	3440	3760	107	4080	4550	3510
	APR-SEP	3310	4010	4390	107	4770	5470	4120

UPPER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of February

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
MYSTIC LAKE	21.0	3.8	3.7	4.0
COONEY	27.4	19.0	17.2	16.4

UPPER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - March 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
YELLOWSTONE ab LIVINGSTON	18	174	113
SHIELDS	4	109	108
BOULDER-STILLWATER	4	163	123
RED LODGE-ROCK CREEK	7	147	109
CLARK'S FORK	7	174	111
UPPER YELLOWSTONE BASIN	36	160	113

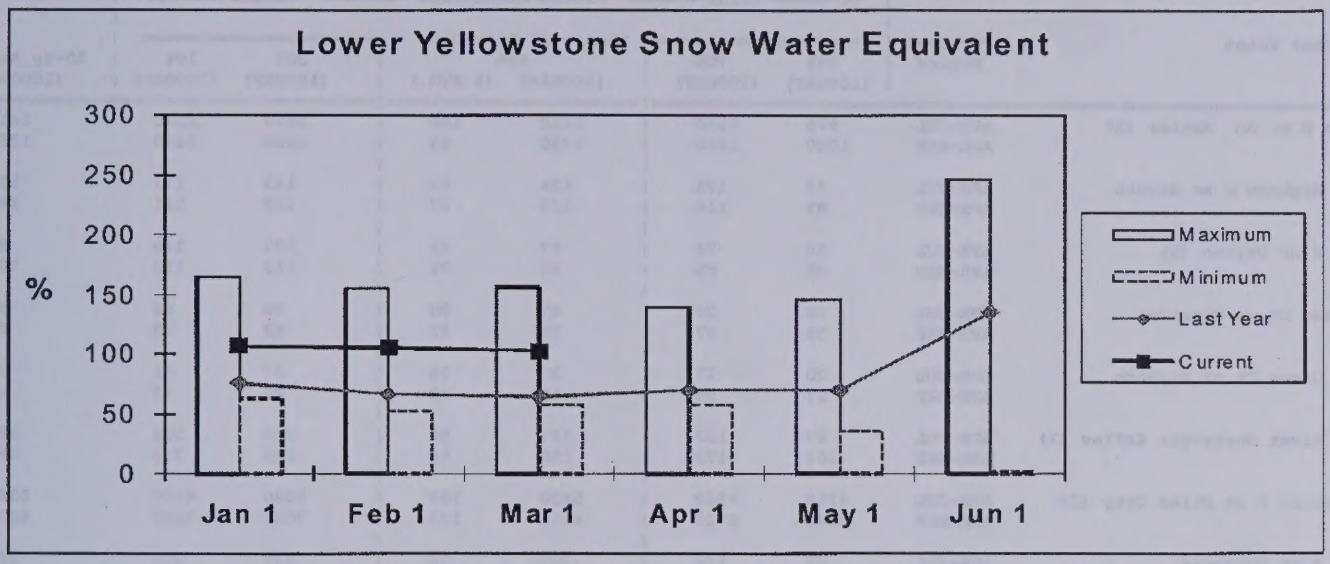
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

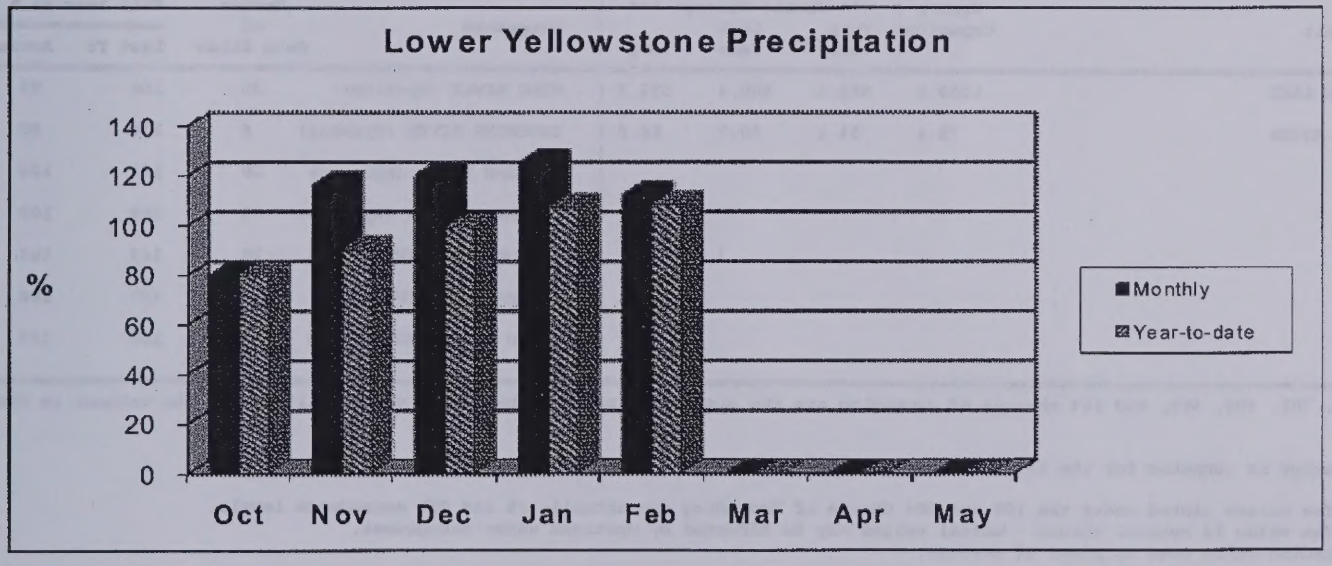
Lower Yellowstone River Basin

Snowpack conditions in the Lower Yellowstone River Basin were near average and decreased 3 percent from February 1. Snow water content was 103 percent of average and 160 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 2000; February maximum swe was in 1997 and minimum swe was in 2001; March maximum swe was in 1986 and minimum swe was in 2001; April maximum swe was in 1986 and minimum swe was in 2001; May maximum swe was in 1997 and minimum swe was in 1981; and June maximum swe was in 1995 and minimum swe was in 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during February was 112 percent of average and 169 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2010, was 108 percent of average and 139 percent of last year.



Bighorn Lake storage was 103 percent of average and 94 percent of last year and Tongue River storage was 220 percent of average and 107 percent of last year.

Assuming average precipitation March through July, April through July streamflows are forecast to average 96 percent.

Surface Water Supply Index (SWSI) was +0.4 in the Bighorn River below Bighorn Lake; +1.2 in the Little Bighorn River; +1.0 in the Yellowstone River below Bighorn River; +1.0 in the Tongue River; and +1.1 in the Powder River.

LOWER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - March 1, 2011

Forecast Point	Forecast Period	<<= Drier = Future Conditions = Wetter =>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Bighorn R nr St. Xavier (2)	APR-JUL	975	1350	1610	100	1870	2240	1610
	APR-SEP	1020	1440	1730	98	2020	2440	1760
Little Bighorn R nr Hardin	APR-JUL	77	105	124	97	143	171	128
	APR-SEP	87	118	139	97	160	191	144
Tongue R nr Dayton (2)	APR-JUL	56	74	87	91	100	118	96
	APR-SEP	65	85	99	91	113	133	109
Big Goose Ck nr Sheridan	APR-JUL	28	39	47	90	55	66	52
	APR-SEP	35	47	55	92	63	75	60
Little Goose Ck nr Bighorn	APR-JUL	20	27	32	94	37	44	34
	APR-SEP	27	35	40	95	45	53	42
Tongue River Reservoir Inflow (2)	APR-JUL	87	153	197	90	240	305	220
	APR-SEP	104	173	220	88	265	335	250
Yellowstone R at Miles City (2)	APR-JUL	4110	4950	5520	103	6090	6930	5360
	APR-SEP	4740	5710	6370	103	7030	7990	6210
Powder R at Moorhead	APR-JUL	86	154	200	98	245	315	205
	APR-SEP	107	177	225	98	275	345	230
Powder R nr Locate	APR-JUL	90	170	225	96	280	360	235
	APR-SEP	110	196	255	98	315	400	260
Yellowstone R nr Sidney (2)	APR-JUL	4040	4990	5640	103	6290	7240	5480
	APR-SEP	4840	5710	6490	103	7270	8140	6280

LOWER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of February

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
BIGHORN LAKE	1356.0	853.4	908.4	826.3
TONGUE RIVER	79.1	54.1	50.7	24.6

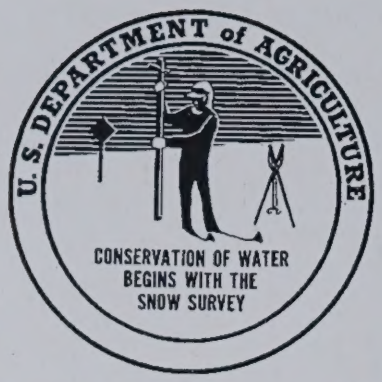
LOWER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - March 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
WIND RIVER (Wyoming)	20	168	99
SHOSHONE RIVER (Wyoming)	6	170	98
BIGHORN RIVER (Wyoming)	20	159	106
LITTLE BIGHORN (Wyoming)	3	148	109
TONGUE RIVER (Wyoming)	10	143	104
POWDER RIVER (Wyoming)	9	137	108
LOWER YELLOWSTONE BASIN (	48	160	103

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.



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Montana
Water Supply Outlook Report

Natural Resources Conservation Service
Bozeman, MT